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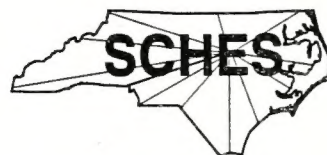
CANCER INCIDENCE IN NORTH CAROLINA

County-Specific Numbers
1992



The Central Cancer Registry

N.C. Department of Environment, Health, and Natural Resources
State Center for Health and Environmental Statistics
Raleigh, North Carolina



CANCER INCIDENCE IN NORTH CAROLINA



**N.C. Department of Environment, Health, and Natural Resources
State Center for Health and Environmental Statistics
Raleigh, North Carolina**

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I. Introduction

The North Carolina Central Cancer Registry is located within the State Center for Health and Environmental Statistics. The Central Cancer Registry operates under the authority granted in North Carolina General Statute 130A-208.

The Central Cancer Registry collects demographic and medical information on newly diagnosed cancer patients in North Carolina. There are 132 hospitals in North Carolina which diagnose and treat cancer patients; 41 of these hospitals have their own tumor registries. Of the 132 hospitals, 130 (98.5 percent) reported their 1992 incidence data to the Central Cancer Registry. Also included in this report are a small number of melanoma cases that were not hospitalized and that dermatologists reported to the Central Cancer Registry. Incidence data are reported to the Central Cancer Registry by use of either magnetic media (which most hospital registries use) or the North Carolina Central Cancer Registry Incidence Report form (see Appendix).

Calendar year 1990 is the first year for which relatively complete statewide reporting was achieved. Prior to this, only 50-60 percent of the cases were reported each year. This is the third report of this type which the Central Cancer Registry will produce annually. The data are presented by county of residence of the patient.

II. Technical Notes

A. Frequencies and Definitions

Cancer incidence is exhibited in the tables of this report by frequency of cases. Each section below describes the computation(s) used in determining the frequencies for the specified tables.

Observed and Expected Frequencies for Selected Cancer Sites by County of Residence

North Carolina has several interesting patterns of cancer. Overall, the statewide rates are quite similar to those of the nation. However, for some specific cancer sites, North Carolina rates show marked differences from national rates. There is also regional variation within the state. Lung cancer is much more frequent in men than in women; but across the state, some counties show lung cancer cases among women to be excessive. Breast and colon cancer are relatively stable, but prostate cancer shows considerable variation. Counties with excess prostate cancers are mostly those in the east where there are large percentages of blacks who have higher rates of prostate cancer than do whites.

To calculate the expected numbers of cases, the 1990-92 North Carolina age-gender-specific incidence rates were applied to the population for each gender group. Race was not considered in this process due to the instability of rates resulting from small numbers of cases. There is a much smaller percentage of nonwhites in western and central North Carolina than in the eastern counties. Many of the eastern counties (with the larger percentages of nonwhites) are counties with relatively small populations. As described below, this report already shows many cells with small numbers of cases when stratified by site, gender, and county. To add race as another stratification variable would stretch the data too thin.

Observed

Males Observed = Number of males with cancer by site

Females Observed = Number of females with cancer by site

Expected

Males Expected = Sum of (North Carolina's 1990-92 age-site specific cancer incidence rate for males x age-specific county male population)

Females Expected = Sum of (North Carolina's 1990-92 age-site specific cancer incidence rate for females x age-specific county female population)

Age-Specific Cancer Incidence by County of Residence (Section III. B.)

The age-specific cancer incidence is the number of cancer cases that occurred in the age ranges 0-19, 20-44, 45-64, and 65+ during 1992 for each county. Cancer risk increases with age. North Carolina has attracted a large number of retirement-age people over the last decade. The migration at the time of retirement is important for interpreting these data and is one reason for showing these data by age group. The largest concentrations of older-age residents are in the mountain counties, along the coast, and in the sandhills (along the mid-southern border).

The cancer pattern varies by age group. Children have a very different pattern of cancer than do adults. Leukemia, brain cancer, bone cancer, and lymphomas predominate in people under age 20. In general, North Carolina's pediatric cancer patterns are quite consistent with those that would be expected based upon national patterns. Young adults (20-44) have an entirely different pattern of cancer than children. In this age group, lymphomas are more common, as are some digestive and reproductive tissue cancers. All of these cancers are quite rare and cancer rates in these ages are generally lower than for other age groups. In the middle ages (45-64), cancer rates begin to rise, and the common cancers (lung, breast, colon) emerge. The incursion of these cancers into earlier age groups is the subject of considerable research at this time. Much work is in progress in North Carolina on these trends.

All cancer rates are at their maximum in the 65+ age category. Prostate cancer is almost exclusively a disease of older men. These age-specific patterns offer significant direction for screening priorities. For most cancers, the prospect of a normal life expectancy is good when the diagnosis is made early. North Carolina legislation and federal money are focused on increasing the access to screening services in this state. Older and financially less-well-off people are a priority group for these programs.

Race/Gender-Specific Cancer Incidence by County of Residence (Section III. C.)

The race/gender-specific cancer incidence is the total number of cancer cases that occurred in each race/gender group (white male, white female, black male, black female, American Indian male, American Indian female, other male, other female) during 1992 for each county.

These data are provided because race is a highly relevant factor in interpreting cancer patterns in North Carolina. Earlier, the scarcity of nonwhite cases in many counties was cited as the reason for not using site-specific incidence rates by race, as well as by gender. Yet, cancer rates vary by race, race distributions in the state vary, and health care use has been found to vary by race. Therefore, numbers of cases by race and gender are presented for each county in Section III. C.

Cancer Incidence and Mortality by County of Residence (Section III. D.)

Cancer incidence is the number of cancer cases that occurred during 1992 for each county. Cancer mortality is the number of deaths due to cancer that occurred during 1992 for each county.

The belief that mortality data are complete is based on the assumption that all deaths are recorded and death certificates provide complete and accurate data on all causes of death. However, for many cancers the accuracy of recording the cause of death varies. This variability arises partly from the fact that nearly half of all cancers are cured. At the time of death, the history of cancer may not be known by the physician, or is considered not to have contributed to the death. Nonetheless, mortality data have been used widely to analyze cancer risk in populations.

Instances of under-reporting of cancer incidence are known to have occurred. In some counties, and for some cancers (e.g., melanomas), under-reporting may lead to more cancer deaths being shown than indicated by incidence cases. Also, survival following a cancer diagnosis varies by site. Survival for lung cancer is very poor. Less than 15 percent of cases live five years. By contrast, over 80 percent of people with breast cancer live five years. In populations with low use of health care services (e.g., rural and black populations), more cancers are diagnosed at advanced stages when therapies are less successful; or the cases may not be diagnosed until death.

The incidence/mortality ratio is a measure used by the Central Cancer Registry to evaluate its reporting. Overall, this ratio is around 2.0. Depending on the type of cancer, its survival rate, its ability to be detected through screening exams, and the presence of successful treatment options, this value may rise to 3.0 or 3.5. In populations where low use of health care services leads to diagnoses at more advanced stages, or for cancers that have poorer survival or no effective therapies (e.g., lung cancer), this ratio may drop to about 1.0.

Differences in Reporting Cancer Incidence and Mortality Data

Many people living near the Virginia border go outside North Carolina for health care. It is known that Norfolk and Danville, Virginia attract patients for secondary and tertiary care. The State of North Carolina has an exchange agreement with all 50 states for exchanging death certificates, but has exchange agreements with only Virginia, Georgia, and Florida for exchanging cancer incidence data.

Because death certificate data are available more quickly than incidence data, the 1992 mortality data include deaths of North Carolina residents who died in other states, but the incidence data do not include cases diagnosed out-of-state. As a result, some counties will show more deaths than incidence cases in the data presented in Section III.D. and larger numbers of expected cases than observed cases (Section II.A.). This is a particular problem for the northeastern counties and for Caswell and Rockingham counties. The exchange of data is an ongoing process; updated information will be made available upon request for those counties affected by interstate migration for health care.

As noted above, some counties have been found to under-report their cancer incidence due to poor case-finding procedures. These counties, especially rural counties where small hospitals do not have the services of trained tumor registrars, may have inadequate case-finding. This results in incomplete accounting of all new cancer cases. Death data are considered to be complete. This also contributes to what appears to be an excess of deaths compared to the number of cases for some cancer sites in some of the rural counties.

Morphology (Cell Type) and Behavior

Interpretations of melanoma data should be treated with caution. This is a cancer where the thoroughness of case-finding is suspect due to the likelihood that cases may be treated outside of hospitals. Data on basal and squamous cell skin cancers are not collected by the Central Cancer Registry.

Malignant melanoma may occur at many different body sites; however, this report focuses on melanoma of the skin. Also, lymphomas are not grouped consistently by all researchers. The specific morphology codes for these categories have been provided in the tables to clarify counting of these cases. The lymphoma category includes all lymphoma cases with the morphology codes shown regardless of body site.

Excesses of brain cancer have been found in various counties and further study of possible risk factors in this regard has been proposed. In these data, only malignant tumors are included. Data on benign and unspecified types are also reported to the Central Cancer Registry, but are not included in this report. Only invasive cervical cancer cases have been included. Data on in situ cases are collected, but are excluded from this report.

B. Limitations of Data

The user should not make county-to-county comparisons of the data in this report. Since only numbers of cases are shown, these will be overwhelmingly affected by the population of the county. Also, comparisons of rates (computed with the number of cases and population data) would be problematic. The age distributions and racial percentages in counties vary considerably. These factors (age, race) have too much effect on the cancer data from county to county to allow useful comparisons of risk. Consider a comparison of Clay and Hoke counties. In 1990 over 20 percent of the Clay County population was at least 65 years old, while less than 10 percent of the Hoke County population was 65 and over. A larger proportion of the Clay County population can be expected to have cancer than the Hoke County population just because of the difference in the age pattern for these two counties. On the other hand, over 55 percent of the Hoke County population was comprised of Blacks and American Indians while nearly 99 percent of the Clay County population is white. This difference in the racial composition of the populations of the two counties can also have a marked influence on the patterns of cancer incidence and mortality.

As mentioned previously, the expected numbers of cases were obtained by multiplying the 1990-92 North Carolina age-gender-specific rates times the corresponding populations within each county and summing the age-gender-specific results. This process is called "indirect adjustment". This means that for each gender group within a county, the observed cases and the expected cases relate to the same age distribution. Thus, the observed and expected values can be compared to arrive at an interpretation of the pattern of cancer occurrence within that county.

Urban Bias

Caution should be exercised in making interpretations based on comparisons of observed and expected frequencies. The observed frequencies for some counties are substantially higher than the expected. These elevated observed frequencies are noteworthy since many of them occur among the counties containing major urban centers (e.g., Forsyth County). Although it is possible that elevated cancer risk may result in a larger than expected number of observed cases of specific cancers, it is also possible that other factors may explain the difference. For example, some people will name a nearby large city when asked their residence instead of naming the small community where they reside. Also, after being diagnosed, some cancer patients relocate nearer to the hospital where they are being treated. Since the major cancer centers are located in cities, this can result in elevated observed frequencies in those counties and lower frequencies in counties where the patients lived prior to their diagnoses.

Small Numbers

Small numbers of cases are a problem for statistical reports of health data. Even for the most common cancers, some counties can expect to have only one or two cases in a year. For example, Tyrrell County, which has the smallest population of any county in the state, can expect to have only one case of female lung cancer each year (based on state lung cancer rates). In 1990 through 1992, no cases have been reported to the Central Cancer Registry. If four cases should be reported in 1993, it would appear that the county had an excessive amount of lung cancer in 1993. However, over the four-year period, the county would average exactly what was expected.

Because of the natural variation in the occurrence of disease, great care must be exercised in describing as "excessive" a larger number of observed than expected cases when very few are expected (e.g., less than 10 cases). This is especially true for rare cancers and for counties with small populations. Even at the state level, data for rare cancers are highly variable from year to year.

C. Standardized Incidence Ratio

To interpret the observed versus expected data from these tables, divide the observed number of cases by the expected number. Because these incidence data are age-adjusted, this ratio is called a Standardized Incidence Ratio (SIR). If the observed number is greater than the expected value, the SIR will be greater than 1.0. This result suggests an excess of cancer. The SIRs for a gender group could be calculated and then ranked to determine priority cancer concerns. If such a ranking were prepared, about as many SIRs greater than 1.0 would be found as those less than 1.0. Such "balancing" of patterns is common in nature. This "balancing" argues against making any interpretation based on the one SIR. The entire gender-specific pattern for cancer in a county should be considered, since these data represent only one year and year-to-year variation can be large.

In evaluating SIRs, a paramount question is "how large" must an SIR value be to be considered meaningful. There is a statistical means of assessing this question. Generally, an SIR is meaningfully large if there is at least a 95 percent chance that the SIR is truly greater than 1.0. The determination that an SIR is truly greater than 1.0 uses a test criterion called the 95 percent "Lower Confidence Limit (LCL)" and is computed by:

$$LCL = [\sqrt{obs} - (1.64 \times 0.5)]^2 / exp$$

[Source: Frumkin, H. and Krankowitz, W. (1987). Cancer Clusters in the Workplace. *Journal of Occupational Medicine* 29(12): 949-52.]

If the 95 percent LCL is greater than 1.0, then the calculated SIR may be meaningfully large and the SIR represents a "statistically significant" excess.

This same formula may be used to evaluate an SIR below 1.0 simply by changing the minus to a plus and calculating the 95 percent "Upper Confidence Limit (UCL)." If the UCL is below 1.0, then the SIR represents a statistically significant low risk of cancer.

The 1.64 value in this formula arises from the decision to evaluate 95 percent confidence limits. For further guidance with manipulating this formula, consult a statistician. Common values for other confidence limits using this process are 1.96 for 97.5 percent confidence limits; 2.33 for 99 percent confidence, etc. You are welcome to call the Central Cancer Registry for assistance with interpreting these data, or for assistance with calculating these measures.

The pivotal role of the expected value is obvious in the formula above. **Another precaution:** Be very cautious when the expected value is small. An expected value that is a fraction (e.g., 0.5) is meaningless. Cancer cases are **whole** people. Consider an extreme instance where one

cancer case occurs with 0.1 cases expected. Without regard for this consideration of small numbers, this observation could be misrepresented as a 10-fold excess. As a rule of thumb, five expected cases is a good cutoff; below that the numbers are considered too small to be reliable. Ten cases is the number that is preferred for analyses by the State Center for Health and Environmental Statistics.

D. Interpretation

This descriptive report is intended to serve as a baseline report for future reference. Because of the limitations described above and because the report represents only one year of data, it should not be regarded as a definitive description of the cancer incidence in North Carolina. With additional training of hospital staff and with collaboration from neighboring states, some of the problems of under-reporting will decline. Although there are important limitations in the use of these data, the observed number of cases and a comparison of the observed and expected frequencies within a gender group in a specific county can be used for:

- ▶ planning health services at the county level;
- ▶ identifying cancers representing high incidence within a county;
- ▶ public education;
- ▶ motivating hospitals to report incidence data accurately and in a timely manner; and
- ▶ encouraging more hospitals to organize tumor registries to provide better service to their cancer patients.

E. Comparison to National Data

This report was prepared to provide data for evaluation of cancer incidence and mortality patterns in North Carolina. While comparisons to national data would be desirable, there is no reliable national database for comparison with North Carolina 1992 observed incidence cases.

The National Cancer Institute operates a series of population-based registries (the Surveillance, Epidemiology and End Results [SEER] registries). However, the most recent available SEER data are for 1973-1990. These SEER registries are intended to provide a 14 percent sample of the nation. The percentage of nonwhites in the SEER population is quite different from the percentage of nonwhites in North Carolina. Consequently, comparisons of North Carolina cancer data with SEER data are of limited value. However, a comparison of the North Carolina and SEER data may be obtained by request. In general, North Carolina cancer rates are quite consistent with the nation's, except for variations which are most likely due to the influence of larger rural and black populations in North Carolina.

F. Other Reports and Activities

Quality Control

The Central Cancer Registry (CCR) has developed a continuous monitoring system for all incidence reports from non-registry hospitals. These facilities send the completed incidence reports and copies of the pathology reports on a quarterly basis. The reports are coded using the *International Classification of Diseases for Oncology, second edition* and proceed through a 100 percent visual review to assess the accuracy and completeness of each record. Review of a sample of these records by the field staff representatives allows for consistent reporting problems to be identified and teaching visits scheduled to hospitals. The records are then sent for duplicate data entry to prevent keying errors.

Computerized Cancer Registries transmit the data to the CCR by tape or disk on a semi-annual basis. The data passes through a series of automated edit checks and validation checks. These consistency checks compare the values of certain items against other values, for example, checks are made to be sure there are no female prostate cancers in the database. Records that fail the edit checks are returned to the hospital registrar for review. The CCR also requests copies of abstracts from new registrars. These abstracts are reviewed and any errors or deficiencies noted. When necessary, visits are scheduled and site-specific training materials forwarded to the registrar.

Quality control audits are conducted annually. In 1993 an audit was designed to review the accuracy of reporting from computerized, hospital-based registries. Randomly selected hospitals sent 211 copies of abstracts reported by 20 registrars. The 27 data items collected by the CCR were reviewed for accuracy, completeness, and logic. The overall accuracy rate was 99 percent and clearly showed the registrars' commitment to high-quality data collection. Consistent problems were identified; for example, staging errors on seven of the 51 lung cancer cases. The results were reported to the Tumor Registrars Association of North Carolina's (TRANC) Education Committee for future program planning.

An on-going casefinding audit to ensure complete statewide reporting began in 1994. Frequency studies by month of diagnosis are reviewed for each hospital to assess potential under-reporting. The field staff contact the hospitals and arrange to review the Disease Index and abstract missing cases.

The next phase of complete case ascertainment will be to implement reporting from free-standing radiation and surgical centers and to continue support to the Dermatologists who report melanoma cases not seen in a North Carolina hospital.

Cancer Cluster Reports

The Central Cancer Registry (CCR) began 1994 with nine cancer cluster reports carried over from previous years. *A cancer cluster is the occurrence of a greater than expected number of cancer cases within a small area or within a short period of time.* During the year, there were 39 newly reported cancer clusters.

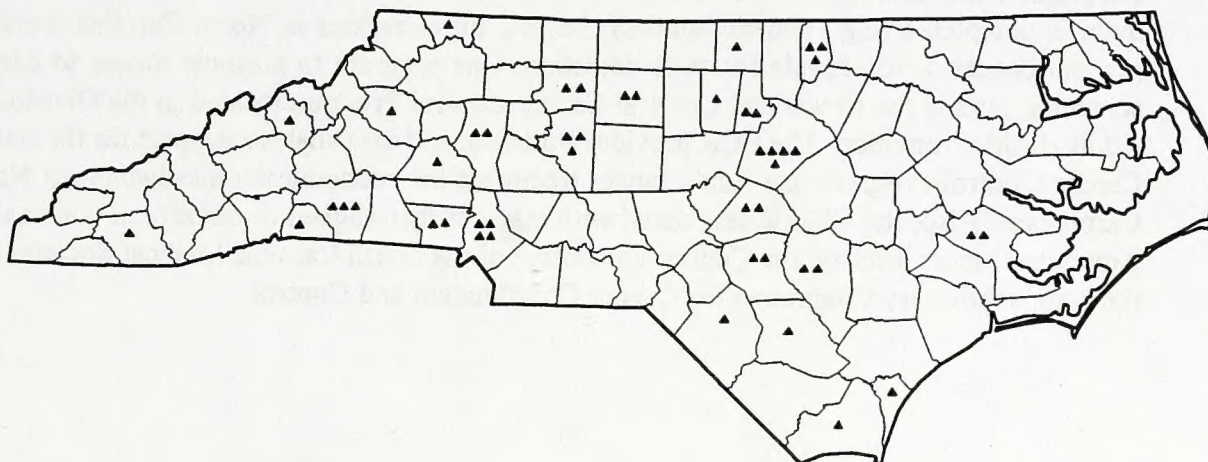
Of the 48 reports (39 new and 9 carried over), 46 were closed with no evidence of clustering during the calendar year of 1994 and one was carried over into 1995.

All of these cluster reports are maintained by the Quality Control staff. A file is set up for each report and contains documentation (i.e. letters to the CCR, correspondence from the CCR, computer runs by zip code, etc.). A listing is provided monthly of all reports that are carried over or received new each year. Cluster reports are designated as: *active, initial evaluation, pending, or closed*. Each county cluster report is filed by zip code, date of contact, CCR number, contact person, community, potential environmental contaminant, and site of cancer. A map of North Carolina is maintained showing color-coded symbols to define the status of each cluster report.

THE STATUS OF CANCER CLUSTER REPORTS 1989 – 1994

Year	Newly Reported	Carried Over to the Next Year	Closed	Cluster
1989-90	49	21	23	5
1991	38	10	46	3
1992	20	8	21	1
1993	31	9	29	1
1994	39	1	46	1

CANCER CLUSTERS EVALUATED IN 1994



G. Other Available Cancer Information

Cancer is one of only two leading causes of death in the United States that is increasing (diabetes is the other). This increase is largely the result of the aging of the population and the declining mortality from other causes of death (e.g., heart disease and stroke). It is estimated that by the year 2000, cancer will be the leading cause of death in the U.S.

Cancer is expected to strike one in three people sometime during their lifetime. For more information about cancer, the user should contact a local office of the American Cancer Society. Many communities also have hospital-based cancer programs through which local data and/or cancer-related services may be provided. In many counties, local health departments have active cancer control programs.

The Central Cancer Registry produces other reports on cancer in North Carolina. A notable one is *North Carolina Cancer Facts and Figures*. This report is published annually in collaboration with the North Carolina Division of the American Cancer Society. The Central Cancer Registry also has reports on specific counties, specific cancer sites, or special topics (e.g., cancers in a particular occupation). Also, other units within the State Center for Health and Environmental Statistics (SCHES) publish many reports on other diseases and on health care and environmental quality measures. For more information about reports from the Central Cancer Registry, or those of the SCHES, please call (919) 715-4555, or write:

State Center for Health and Environmental Statistics
P. O. Box 29583
Raleigh, NC 27626-0538

H. Support for Cancer Research and Control

The Central Cancer Registry (CCR) is actively involved with cancer research programs at universities in North Carolina, as well as with federal agencies and research institutes located within the state. One feature of this participation is the rapid identification of cancer patients for projects that are designed to collect information before the patient's first course of treatment is completed (e.g., genetic studies). Several organizations in North Carolina work to prevent cancer or to provide for early detection. One program to promote access to cancer screening tests is the Breast and Cervical Cancer Control Program located in the Division of Adult Health Promotion. The CCR provides statistical and data analysis support for the state's Cancer Control Program that funds cancer treatment for economically disadvantaged North Carolinians. Also, the CCR is associated with many cancer-aligned organizations such as the American Cancer Society, the Cancer Committee of the North Carolina Medical Society, and the state's Advisory Committee for Cancer Coordination and Control.

III. Tables



A. Observed and Expected
Frequencies for Selected Cancer
Sites by County of Residence



**OBSERVED FREQUENCIES OF SELECTED CANCER SITES
NORTH CAROLINA 1992**

CANCER SITE	ICD-02	MALES OBSERVED	FEMALES OBSERVED
ORAL CAVITY	(C00-C14)	440	239
ESOPHAGUS	(C15)	226	76
STOMACH	(C16)	236	177
COLON AND RECTUM	(C18-C20, C26.0)	1580	1686
LIVER	(C22)	90	47
GALLBLADDER, BILIARY	(C23-C24)	35	79
PANCREAS	(C25)	292	304
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	102	120
LARYNX	(C32)	291	91
BRONCHUS AND LUNG	(C34)	2830	1517
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	59	18
BONE	(C40, C41)	20	21
SOFT TISSUE	(C38.0, C49)	82	60
MELANOMA OF THE SKIN	(8720-8790)*	456	368
BREAST	(C50)	23	4614
CERVIX UTERI	(C53)	-	422
CORPUS UTERI	(C54-C55)	-	770
OVARY	(C56)	-	528
PROSTATE	(C61)	4969	-
TESTES	(C62)	125	-
BLADDER	(C67)	728	274
KIDNEY	(C64-C65)	388	260
ENDOCRINE	(C37, C73-C75)	90	180
LYMPHOMA	(9590-9714, 9750)*	569	501
LEUKEMIA	(9800-9941, 9951)*	293	259
BRAIN AND CNS	(C70-C72)	234	177
ALL CANCERS	(C00-C80)	15023	13785

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
ALAMANCE COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	7	7.9	6	4.6
ESOPHAGUS	(C15)	7	4.1	-	1.4
STOMACH	(C16)	3	4.9	2	3.5
COLON AND RECTUM	(C18-C20, C26.0)	40	30.2	33	32.4
LIVER	(C22)	2	1.7	-	0.9
GALLBLADDER, BILIARY	(C23, C24)	4	0.9	1	1.6
PANCREAS	(C25)	4	5.3	5	5.6
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	2	1.5	-	2.0
LARYNX	(C32)	4	5.5	3	1.4
BRONCHUS AND LUNG	(C34)	51	53.4	32	26.7
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	1.4	-	0.5
BONE	(C40, C41)	1	0.3	1	0.4
SOFT TISSUE	(C38.0, C49)	2	1.3	-	1.1
MELANOMA OF THE SKIN	(8720-8790)*	20	7.2	16	5.8
BREAST	(C50)	1	0.5	89	83.5
CERVIX UTERI	(C53)	-	-	4	7.2
CORPUS UTERI	(C54-C55)	-	-	15	13.6
OVARY	(C56)	-	-	7	9.7
PROSTATE	(C61)	118	82.3	-	-
TESTES	(C62)	2	1.9	-	-
BLADDER	(C67)	19	15.1	4	5.5
KIDNEY	(C64, C65)	9	7.0	3	4.7
ENDOCRINE	(C37, C73-C75)	2	1.5	4	3.1
LYMPHOMA	(9590-9714, 9750)*	6	9.4	11	9.0
LEUKEMIA	(9800-9941, 9951)*	7	5.3	8	4.5
BRAIN AND CNS	(C70-C72)	9	3.8	3	3.4
ALL CANCERS	(C00-C80)	343	267.1	300	249.2

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
ALEXANDER COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	1	1.9	3	1.0
ESOPHAGUS	(C15)	-	1.0	-	0.3
STOMACH	(C16)	2	1.1	-	0.7
COLON AND RECTUM	(C18-C20, C26.0)	9	6.7	9	6.6
LIVER	(C22)	1	0.4	-	0.2
GALLBLADDER, BILIARY	(C23, C24)	1	0.2	-	0.3
PANCREAS	(C25)	1	1.2	2	1.1
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	1	0.4	1	0.4
LARYNX	(C32)	1	1.3	1	0.3
BRONCHUS AND LUNG	(C34)	10	12.0	7	5.6
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.3	-	0.1
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.3	1	0.2
MELANOMA OF THE SKIN	(8720-8790)*	3	1.7	3	1.3
BREAST	(C50)	-	0.1	16	18.3
CERVIX UTERI	(C53)	-	-	5	1.7
CORPUS UTERI	(C54-C55)	-	-	4	2.9
OVARY	(C56)	-	-	-	2.1
PROSTATE	(C61)	21	17.0	-	-
TESTES	(C62)	1	0.5	-	-
BLADDER	(C67)	3	3.3	3	1.1
KIDNEY	(C64, C65)	1	1.6	-	1.0
ENDOCRINE	(C37, C73-C75)	2	0.4	3	0.7
LYMPHOMA	(9590-9714, 9750)*	2	2.2	-	1.9
LEUKEMIA	(9800-9941, 9951)*	-	1.2	-	1.0
BRAIN AND CNS	(C70-C72)	-	0.9	-	0.8
ALL CANCERS	(C00-C80)	63	59.1	58	53.3

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
ALLEGHANY COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	2	0.9	-	0.5
ESOPHAGUS	(C15)	2	0.5	-	0.2
STOMACH	(C16)	-	0.5	-	0.4
COLON AND RECTUM	(C18-C20, C26.0)	2	3.4	-	3.6
LIVER	(C22)	-	0.2	-	0.1
GALLBLADDER, BILIARY	(C23, C24)	-	0.1	-	0.2
PANCREAS	(C25)	1	0.6	1	0.6
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.2	-	0.2
LARYNX	(C32)	-	0.6	1	0.1
BRONCHUS AND LUNG	(C34)	6	5.9	1	2.8
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.1	-	0.1
BONE	(C40, C41)	-	-	-	-
SOFT TISSUE	(C38.0, C49)	-	0.1	-	0.1
MELANOMA OF THE SKIN	(8720-8790)*	-	0.8	2	0.6
BREAST	(C50)	-	0.1	10	8.6
CERVIX UTERI	(C53)	-	-	-	0.7
CORPUS UTERI	(C54-C55)	-	-	1	1.4
OVARY	(C56)	-	-	1	1.0
PROSTATE	(C61)	4	9.5	-	-
TESTES	(C62)	-	0.2	-	-
BLADDER	(C67)	-	1.7	-	-
KIDNEY	(C64, C65)	-	0.8	-	0.6
ENDOCRINE	(C37, C73-C75)	-	0.1	2	0.5
LYMPHOMA	(9590-9714, 9750)*	2	1.0	1	0.3
LEUKEMIA	(9800-9941, 9951)*	2	0.6	-	0.9
BRAIN AND CNS	(C70-C72)	2	0.4	-	0.5
ALL CANCERS	(C00-C80)	24	29.9	22	26.1

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
ANSON COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	1	1.6	-	1.0
ESOPHAGUS	(C15)	-	0.8	-	0.3
STOMACH	(C16)	-	1.0	2	0.8
COLON AND RECTUM	(C18-C20, C26.0)	3	6.3	9	7.2
LIVER	(C22)	1	0.3	-	0.2
GALLBLADDER, BILIARY	(C23, C24)	-	0.2	1	0.3
PANCREAS	(C25)	2	1.1	-	1.3
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	1	0.3	1	0.4
LARYNX	(C32)	5	1.1	-	0.3
BRONCHUS AND LUNG	(C34)	10	11.0	7	5.7
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.3	-	0.1
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.3	1	0.2
MELANOMA OF THE SKIN	(8720-8790)*	-	1.5	-	1.2
BREAST	(C50)	-	0.1	14	17.7
CERVIX UTERI	(C53)	-	-	3	1.5
CORPUS UTERI	(C54-C55)	-	-	3	2.9
OVARY	(C56)	-	-	1	2.1
PROSTATE	(C61)	16	17.5	-	-
TESTES	(C62)	-	0.4	-	-
BLADDER	(C67)	3	3.2	2	1.2
KIDNEY	(C64, C65)	-	1.4	1	1.0
ENDOCRINE	(C37, C73-C75)	1	0.3	2	0.6
LYMPHOMA	(9590-9714, 9750)*	-	1.9	2	2.0
LEUKEMIA	(9800-9941, 9951)*	-	1.1	1	1.0
BRAIN AND CNS	(C70-C72)	1	0.8	-	0.7
ALL CANCERS	(C00-C80)	48	55.7	55	53.5

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
ASHE COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	-	1.9	-	1.0
ESOPHAGUS	(C15)	-	1.0	-	0.3
STOMACH	(C16)	-	1.2	1	0.8
COLON AND RECTUM	(C18-C20, C26.0)	-	7.6	5	7.4
LIVER	(C22)	-	0.4	-	0.2
GALLBLADDER, BILIARY	(C23, C24)	1	0.2	-	0.4
PANCREAS	(C25)	4	1.3	1	1.3
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.4	-	0.4
LARYNX	(C32)	-	1.3	-	0.3
BRONCHUS AND LUNG	(C34)	8	13.1	8	6.0
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.3	-	0.1
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.3	1	0.2
MELANOMA OF THE SKIN	(8720-8790)*	1	1.7	2	1.2
BREAST	(C50)	-	0.1	15	18.5
CERVIX UTERI	(C53)	-	-	1	1.5
CORPUS UTERI	(C54-C55)	-	-	1	3.0
OVARY	(C56)	-	-	2	2.1
PROSTATE	(C61)	19	21.0	-	-
TESTES	(C62)	-	0.4	-	-
BLADDER	(C67)	3	3.8	-	1.3
KIDNEY	(C64, C65)	-	1.7	1	1.1
ENDOCRINE	(C37, C73-C75)	-	0.3	1	0.6
LYMPHOMA	(9590-9714, 9750)*	1	2.2	1	2.0
LEUKEMIA	(9800-9941, 9951)*	3	1.3	1	1.0
BRAIN AND CNS	(C70-C72)	1	0.9	2	0.7
ALL CANCERS	(C00-C80)	44	66.2	47	55.3

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

**OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
AVERY COUNTY 1992**

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	1	1.1	-	0.6
ESOPHAGUS	(C15)	-	0.6	-	0.2
STOMACH	(C16)	-	0.7	1	0.5
COLON AND RECTUM	(C18-C20, C26.0)	7	4.5	4	4.2
LIVER	(C22)	-	0.2	-	0.1
GALLBLADDER, BILIARY	(C23, C24)	1	0.1	-	0.2
PANCREAS	(C25)	-	0.8	1	0.7
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.2	1	0.3
LARYNX	(C32)	-	0.8	-	0.2
BRONCHUS AND LUNG	(C34)	-	0.2	-	3.5
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.2	5	0.1
BONE	(C40, C41)	-	-	-	0.1
SOFT TISSUE	(C38.0, C49)	-	-	-	0.1
MELANOMA OF THE SKIN	(8720-8790)*	5	0.2	5	0.7
BREAST	(C50)	-	1.0	12	10.8
CERVIX UTERI	(C53)	-	0.1	-	0.9
CORPUS UTERI	(C54-C55)	-	-	1	1.8
OVARY	(C56)	-	-	1	1.3
PROSTATE	(C61)	13	12.3	-	-
TESTES	(C62)	2	0.3	-	-
BLADDER	(C67)	1	2.2	1	0.7
KIDNEY	(C64, C65)	1	1.0	-	0.6
ENDOCRINE	(C37, C73-C75)	-	0.2	2	0.4
LYMPHOMA	(9590-9714, 9750)*	1	1.4	-	1.2
LEUKEMIA	(9800-9941, 9951)*	1	0.8	-	0.6
BRAIN AND CNS	(C70-C72)	-	0.5	-	0.4
ALL CANCERS	(C00-C80)	32	39.2	36	32.4

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
BEAUFORT COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	2	3.1	3	1.9
ESOPHAGUS	(C15)	3	1.6	1	0.6
STOMACH	(C16)	4	1.9	2	1.4
COLON AND RECTUM	(C18-C20, C26.0)	8	11.6	14	13.0
LIVER	(C22)	1	0.6	-	0.4
GALLBLADDER, BILIARY	(C23, C24)	-	0.3	-	0.6
PANCREAS	(C25)	1	2.0	1	2.3
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	1	0.6	1	0.8
LARYNX	(C32)	3	2.1	-	0.6
BRONCHUS AND LUNG	(C34)	26	20.6	12	10.5
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	0.5	-	0.2
BONE	(C40, C41)	-	0.1	-	0.2
SOFT TISSUE	(C38.0, C49)	2	0.5	-	0.4
MELANOMA OF THE SKIN	(8720-8790)*	5	2.8	1	2.3
BREAST	(C50)	-	0.2	30	33.1
CERVIX UTERI	(C53)	-	-	3	2.8
CORPUS UTERI	(C54-C55)	-	-	7	5.4
OVARY	(C56)	-	-	2	3.8
PROSTATE	(C61)	17	31.4	-	-
TESTES	(C62)	-	0.7	-	-
BLADDER	(C67)	5	5.8	1	2.2
KIDNEY	(C64, C65)	4	2.7	1	1.9
ENDOCRINE	(C37, C73-C75)	1	0.6	2	1.2
LYMPHOMA	(9590-9714, 9750)*	3	3.6	3	3.6
LEUKEMIA	(9800-9941, 9951)*	2	2.1	-	1.8
BRAIN AND CNS	(C70-C72)	2	1.5	-	1.3
ALL CANCERS	(C00-C80)	93	102.5	92	99.1

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

**OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
BERTIE COUNTY 1992**

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	1	1.4	2	0.9
ESOPHAGUS	(C15)	-	0.7	1	0.3
STOMACH	(C16)	-	0.9	-	0.6
COLON AND RECTUM	(C18-C20, C26.0)	5	5.4	10	5.9
LIVER	(C22)	1	0.3	-	0.2
GALLBLADDER, BILIARY	(C23, C24)	-	0.2	-	0.3
PANCREAS	(C25)	-	0.9	1	1.0
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.3	-	0.4
LARYNX	(C32)	-	1.0	-	0.3
BRONCHUS AND LUNG	(C34)	1	9.4	-	5.0
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	7	0.2	2	0.1
BONE	(C40, C41)	1	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.2	-	0.2
MELANOMA OF THE SKIN	(8720-8790)*	-	1.2	1	1.0
BREAST	(C50)	-	0.1	7	15.2
CERVIX UTERI	(C53)	-	-	2	1.3
CORPUS UTERI	(C54-C55)	-	-	-	2.5
OVARY	(C56)	-	-	-	1.8
PROSTATE	(C61)	6	14.9	-	-
TESTES	(C62)	-	0.3	-	-
BLADDER	(C67)	-	2.7	-	1.0
KIDNEY	(C64, C65)	1	1.2	1	0.9
ENDOCRINE	(C37, C73-C75)	-	0.3	-	0.6
LYMPHOMA	(9590-9714, 9750)*	-	1.6	1	1.7
LEUKEMIA	(9800-9941, 9951)*	1	1.0	1	0.8
BRAIN AND CNS	(C70-C72)	-	0.7	-	0.6
ALL CANCERS	(C00-C80)	28	47.6	32	45.8

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
BLADEN COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	-	2.0	1	1.2
ESOPHAGUS	(C15)	2	1.0	-	0.4
STOMACH	(C16)	2	1.2	1	0.9
COLON AND RECTUM	(C18-C20, C26.0)	5	7.6	14	8.2
LIVER	(C22)	-	0.4	-	0.2
GALLBLADDER, BILIARY	(C23, C24)	-	0.2	-	0.4
PANCREAS	(C25)	2	1.3	1	1.4
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.4	1	0.5
LARYNX	(C32)	2	1.4	-	0.4
BRONCHUS AND LUNG	(C34)	16	13.3	4	6.9
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	0.3	-	0.1
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.3	-	0.3
MELANOMA OF THE SKIN	(8720-8790)*	-	1.8	-	1.5
BREAST	(C50)	-	0.1	18	21.5
CERVIX UTERI	(C53)	-	-	2	1.8
CORPUS UTERI	(C54-C55)	-	-	3	3.5
OVARY	(C56)	-	-	5	2.5
PROSTATE	(C61)	11	20.4	-	-
TESTES	(C62)	-	0.5	-	-
BLADDER	(C67)	1	3.8	1	1.4
KIDNEY	(C64, C65)	4	1.8	-	1.2
ENDOCRINE	(C37, C73-C75)	-	0.4	-	0.8
LYMPHOMA	(9590-9714, 9750)*	-	2.3	4	2.3
LEUKEMIA	(9800-9941, 9951)*	-	1.4	-	1.2
BRAIN AND CNS	(C70-C72)	1	1.0	-	0.9
ALL CANCERS	(C00-C80)	47	66.7	56	63.9

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
BRUNSWICK COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	5	4.7	1	2.2
ESOPHAGUS	(C15)	1	2.5	3	0.7
STOMACH	(C16)	1	2.8	12	1.5
COLON AND RECTUM	(C18-C20,C26.0)	10	17.5	12	14.7
LIVER	(C22)	4	1.0	-	0.4
GALLBLADDER, BILIARY	(C23,C24)	-	0.5	-	0.7
PANCREAS	(C25)	4	3.1	1	2.5
OTHER DIGESTIVE ORGANS	(C17,C21,C26.8-C26.9,C48)	-	0.9	2	1.0
LARYNX	(C32)	4	3.3	3	0.7
BRONCHUS AND LUNG	(C34)	22	32.3	13	13.5
OTHER RESPIRATORY	(C30-C31,C33,C38.1-C38.8,C39)	1	0.8	-	0.3
BONE	(C40,C41)	-	0.2	-	0.2
SOFT TISSUE	(C38.0,C49)	-	0.7	-	0.5
MELANOMA OF THE SKIN	(8720-8790)*	3	4.0	5	2.8
BREAST	(C50)	-	0.3	30	41.4
CERVIX UTERI	(C53)	-	-	6	3.5
CORPUS UTERI	(C54-C55)	-	-	8	6.8
OVARY	(C56)	-	-	4	4.7
PROSTATE	(C61)	27	48.3	-	-
TESTES	(C62)	-	0.9	-	-
BLADDER	(C67)	6	8.8	1	2.5
KIDNEY	(C64,C65)	2	4.1	2	2.3
ENDOCRINE	(C37,C73-C75)	-	0.8	1	1.5
LYMPHOMA	(9590-9714,9750)*	6	5.2	2	4.2
LEUKEMIA	(9800-9941,9951)*	-	3.0	1	2.1
BRAIN AND CNS	(C70-C72)	1	2.1	1	1.7
ALL CANCERS	(C00-C80)	105	156.2	107	120.2

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
BUNCOMBE COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	9	13.6	8	8.0
ESOPHAGUS	(C15)	3	7.1	4	2.4
STOMACH	(C16)	7	8.6	6	6.2
COLON AND RECTUM	(C18-C20, C26.0)	47	53.1	66	56.4
LIVER	(C22)	1	2.9	2	1.6
GALLBLADDER, BILIARY	(C23, C24)	1	1.6	3	2.7
PANCREAS	(C25)	12	9.3	9	9.8
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	4	2.7	8	3.4
LARYNX	(C32)	6	9.4	1	2.4
BRONCHUS AND LUNG	(C34)	72	92.1	48	45.1
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	2.3	1	0.9
BONE	(C40, C41)	-	0.5	-	0.7
SOFT TISSUE	(C38.0, C49)	4	2.2	4	1.9
MELANOMA OF THE SKIN	(8720-8790)*	14	12.3	8	9.8
BREAST	(C50)	1	0.9	160	141.9
CERVIX UTERI	(C53)	-	-	16	12.1
CORPUS UTERI	(C54-C55)	-	-	32	23.0
OVARY	(C56)	-	-	18	16.4
PROSTATE	(C61)	180	146.4	-	-
TESTES	(C62)	9	3.1	-	-
BLADDER	(C67)	36	26.7	5	9.7
KIDNEY	(C64, C65)	15	12.0	10	8.1
ENDOCRINE	(C37, C73-C75)	1	2.4	6	5.2
LYMPHOMA	(9590-9714, 9750)*	21	16.1	21	15.4
LEUKEMIA	(9800-9941, 9951)*	2	9.2	10	7.8
BRAIN AND CNS	(C70-C72)	5	6.4	2	5.6
ALL CANCERS	(C00-C80)	486	466.6	492	426.0

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
BURKE COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	12	5.5	2	3.0
ESOPHAGUS	(C15)	1	2.8	-	0.9
STOMACH	(C16)	3	3.2	4	2.2
COLON AND RECTUM	(C18-C20, C26.0)	20	20.1	15	20.6
LIVER	(C22)	-	1.1	1	0.6
GALLBLADDER, BILIARY	(C23, C24)	-	0.6	-	1.0
PANCREAS	(C25)	2	3.5	7	3.5
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	2	1.1	1	1.3
LARYNX	(C32)	6	3.7	1	0.9
BRONCHUS AND LUNG	(C34)	36	35.6	21	17.4
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	0.9	1	0.3
BONE	(C40, C41)	-	0.2	1	0.3
SOFT TISSUE	(C38.0, C49)	-	0.9	-	0.7
MELANOMA OF THE SKIN	(8720-8790)*	10	5.0	10	3.8
BREAST	(C50)	-	0.3	47	55.3
CERVIX UTERI	(C53)	-	-	4	4.8
CORPUS UTERI	(C54-C55)	-	-	12	8.9
OVARY	(C56)	-	-	7	6.4
PROSTATE	(C61)	65	53.0	-	-
TESTES	(C62)	2	1.4	-	-
BLADDER	(C67)	8	10.0	3	3.5
KIDNEY	(C64, C65)	9	4.7	3	3.1
ENDOCRINE	(C37, C73-C75)	1	1.0	2	2.1
LYMPHOMA	(9590-9714, 9750)*	7	6.4	2	5.9
LEUKEMIA	(9800-9941, 9951)*	1	3.6	1	2.9
BRAIN AND CNS	(C70-C72)	5	2.6	2	2.2
ALL CANCERS	(C00-C80)	209	177.1	161	162.6

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
CABARRUS COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	5	7.0	2	4.0
ESOPHAGUS	(C15)	-	3.6	-	1.2
STOMACH	(C16)	8	4.1	6	3.0
COLON AND RECTUM	(C18-C20, C26.0)	27	25.6	26	27.7
LIVER	(C22)	1	1.4	2	0.8
GALLBLADDER, BILIARY	(C23, C24)	-	0.7	1	1.3
PANCREAS	(C25)	3	4.5	3	4.8
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	2	1.4	1	1.7
LARYNX	(C32)	5	4.8	1	1.2
BRONCHUS AND LUNG	(C34)	40	45.3	18	22.8
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	1.2	1	0.5
BONE	(C40, C41)	-	0.3	-	0.4
SOFT TISSUE	(C38.0, C49)	2	1.2	-	1.0
MELANOMA OF THE SKIN	(8720-8790)*	5	6.4	9	5.1
BREAST	(C50)	1	0.4	74	73.0
CERVIX UTERI	(C53)	-	-	4	6.5
CORPUS UTERI	(C54-C55)	-	-	7	11.7
OVARY	(C56)	-	-	10	8.4
PROSTATE	(C61)	86	67.5	-	-
TESTES	(C62)	2	1.9	-	-
BLADDER	(C67)	19	12.8	1	4.7
KIDNEY	(C64, C65)	4	6.1	5	4.1
ENDOCRINE	(C37, C73-C75)	2	1.3	1	2.8
LYMPHOMA	(9590-9714, 9750)*	12	8.3	7	7.8
LEUKEMIA	(9800-9941, 9951)*	3	4.7	3	4.0
BRAIN AND CNS	(C70-C72)	1	3.4	4	3.0
ALL CANCERS	(C00-C80)	243	226.6	199	216.3

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
CALDWELL COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	1	5.0	2	2.6
ESOPHAGUS	(C15)	-	2.6	1	0.8
STOMACH	(C16)	1	2.9	1	1.9
COLON AND RECTUM	(C18-C20, C26.0)	15	18.1	11	18.0
LIVER	(C22)	-	1.0	-	0.5
GALLBLADDER, BILIARY	(C23, C24)	-	0.5	-	0.9
PANCREAS	(C25)	3	3.2	6	3.1
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	3	1.0	1	1.1
LARYNX	(C32)	8	3.4	3	0.8
BRONCHUS AND LUNG	(C34)	39	32.3	15	15.3
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.9	-	0.3
BONE	(C40, C41)	-	0.2	-	0.2
SOFT TISSUE	(C38.0, C49)	-	0.8	1	0.7
MELANOMA OF THE SKIN	(8720-8790)*	6	4.6	7	3.5
BREAST	(C50)	-	0.3	38	49.3
CERVIX UTERI	(C53)	-	-	4	4.4
CORPUS UTERI	(C54-C55)	-	-	4	7.8
OVARY	(C56)	-	-	-	5.7
PROSTATE	(C61)	43	47.1	-	-
TESTES	(C62)	1	1.3	-	-
BLADDER	(C67)	10	9.0	2	3.1
KIDNEY	(C64, C65)	5	4.3	3	2.7
ENDOCRINE	(C37, C73-C75)	-	1.0	-	1.9
LYMPHOMA	(9590-9714, 9750)*	10	5.9	9	5.2
LEUKEMIA	(9800-9941, 9951)*	2	3.3	3	2.6
BRAIN AND CNS	(C70-C72)	2	2.4	2	2.0
ALL CANCERS	(C00-C80)	160	160.1	120	144.1

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
CAMDEN COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	-	0.5	-	0.2
ESOPHAGUS	(C15)	-	0.2	-	0.1
STOMACH	(C16)	-	0.3	-	0.2
COLON AND RECTUM	(C18-C20, C26.0)	2	1.8	1	1.5
LIVER	(C22)	-	0.1	-	-
GALLBLADDER, BILIARY	(C23, C24)	-	0.1	-	0.1
PANCREAS	(C25)	-	0.3	-	0.3
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.1	-	0.1
LARYNX	(C32)	-	0.3	-	0.1
BRONCHUS AND LUNG	(C34)	1	3.2	-	1.3
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.1	-	-
BONE	(C40, C41)	-	-	-	-
SOFT TISSUE	(C38.0, C49)	-	0.1	-	0.1
MELANOMA OF THE SKIN	(8720-8790)*	-	0.4	1	0.3
BREAST	(C50)	-	-	5	4.2
CERVIX UTERI	(C53)	-	-	1	0.4
CORPUS UTERI	(C54-C55)	-	-	1	0.7
OVARY	(C56)	-	-	-	0.5
PROSTATE	(C61)	3	4.8	-	-
TESTES	(C62)	-	0.1	-	-
BLADDER	(C67)	-	0.9	-	0.3
KIDNEY	(C64, C65)	-	0.4	-	0.2
ENDOCRINE	(C37, C73-C75)	-	0.1	-	0.2
LYMPHOMA	(9590-9714, 9750)*	-	0.5	1	0.4
LEUKEMIA	(9800-9941, 9951)*	-	0.3	-	0.2
BRAIN AND CNS	(C70-C72)	-	0.2	-	0.2
ALL CANCERS	(C00-C80)	8	15.7	10	12.4

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
CARTERET COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	7	4.3	4	2.2
ESOPHAGUS	(C15)	3	2.3	2	0.7
STOMACH	(C16)	2	2.6	1	1.6
COLON AND RECTUM	(C18-C20, C26.0)	16	16.3	17	14.8
LIVER	(C22)	-	0.9	-	0.4
GALLBLADDER, BILIARY	(C23, C24)	-	0.5	-	0.7
PANCREAS	(C25)	2	2.9	2	2.6
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.8	-	0.9
LARYNX	(C32)	5	3.0	1	0.7
BRONCHUS AND LUNG	(C34)	41	29.4	10	12.9
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	0.7	-	0.3
BONE	(C40, C41)	1	0.2	-	0.2
SOFT TISSUE	(C38.0, C49)	-	0.7	-	0.5
MELANOMA OF THE SKIN	(8720-8790)*	2	3.9	1	2.8
BREAST	(C50)	-	0.3	37	40.2
CERVIX UTERI	(C53)	-	-	1	3.5
CORPUS UTERI	(C54-C55)	-	-	2	6.5
OVARY	(C56)	-	-	2	4.6
PROSTATE	(C61)	29	44.6	-	-
TESTES	(C62)	-	1.0	-	-
BLADDER	(C67)	6	8.2	3	2.5
KIDNEY	(C64, C65)	1	3.8	-	2.2
ENDOCRINE	(C37, C73-C75)	-	0.8	-	1.5
LYMPHOMA	(9590-9714, 9750)*	5	5.0	9	4.2
LEUKEMIA	(9800-9941, 9951)*	3	2.8	1	2.1
BRAIN AND CNS	(C70-C72)	1	2.0	1	1.6
ALL CANCERS	(C00-C80)	132	144.9	100	118.1

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
CASWELL COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	2	1.5	-	0.9
ESOPHAGUS	(C15)	-	0.8	-	0.3
STOMACH	(C16)	-	0.9	-	0.6
COLON AND RECTUM	(C18-C20, C26.0)	3	5.9	3	5.9
LIVER	(C22)	-	0.3	-	0.2
GALLBLADDER, BILIARY	(C23, C24)	-	0.2	-	0.3
PANCREAS	(C25)	-	1.0	-	1.0
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.3	-	0.4
LARYNX	(C32)	-	1.1	-	0.3
BRONCHUS AND LUNG	(C34)	7	10.2	3	4.9
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.3	-	0.1
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.3	-	0.2
MELANOMA OF THE SKIN	(8720-8790)*	-	1.4	2	1.1
BREAST	(C50)	-	0.1	9	15.5
CERVIX UTERI	(C53)	-	-	5	1.3
CORPUS UTERI	(C54-C55)	-	-	2	2.5
OVARY	(C56)	-	-	1	1.8
PROSTATE	(C61)	11	15.7	-	-
TESTES	(C62)	1	0.4	-	-
BLADDER	(C67)	1	2.9	-	1.0
KIDNEY	(C64, C65)	-	1.4	-	0.9
ENDOCRINE	(C37, C73-C75)	-	0.3	-	0.6
LYMPHOMA	(9590-9714, 9750)*	2	1.8	1	1.7
LEUKEMIA	(9800-9941, 9951)*	2	1.0	-	0.8
BRAIN AND CNS	(C70-C72)	-	0.7	-	0.6
ALL CANCERS	(C00-C80)	32	51.5	30	46.1

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
CATAMBA COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	13	8.1	9	4.4
ESOPHAGUS	(C15)	4	4.2	1	1.3
STOMACH	(C16)	3	4.7	2	3.3
COLON AND RECTUM	(C18-C20, C26.0)	32	29.2	43	30.2
LIVER	(C22)	-	1.6	3	0.9
GALLBLADDER, BILIARY	(C23, C24)	-	0.8	4	1.4
PANCREAS	(C25)	2	5.1	4	5.2
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	2	1.6	4	1.9
LARYNX	(C32)	7	5.5	3	1.4
BRONCHUS AND LUNG	(C34)	59	52.3	23	25.7
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	2	1.4	-	0.5
BONE	(C40, C41)	-	0.4	-	0.4
SOFT TISSUE	(C38.0, C49)	-	1.3	1	1.1
MELANOMA OF THE SKIN	(8720-8790)*	17	7.5	14	5.9
BREAST	(C50)	1	0.5	75	82.9
CERVIX UTERI	(C53)	-	-	13	13.1
CORPUS UTERI	(C54-C55)	-	-	6	9.5
OVARY	(C56)	-	-	-	-
PROSTATE	(C61)	118	76.3	-	-
TESTES	(C62)	6	2.3	-	-
BLADDER	(C67)	11	14.5	6	5.1
KIDNEY	(C64, C65)	5	7.0	7	4.6
ENDOCRINE	(C37, C73-C75)	2	1.6	4	3.3
LYMPHOMA	(9590-9714, 9750)*	15	9.6	10	8.8
LEUKEMIA	(9800-9941, 9951)*	6	5.3	6	4.4
BRAIN AND CNS	(C70-C72)	4	4.0	5	3.4
ALL CANCERS	(C00-C80)	326	259.3	276	242.6

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
CHATHAM COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	2	3.0	3	1.7
ESOPHAGUS	(C15)	2	1.5	1	0.5
STOMACH	(C16)	3	1.8	1	1.3
COLON AND RECTUM	(C18-C20, C26.0)	7	11.3	11	11.5
LIVER	(C22)	-	0.6	-	0.3
GALLBLADDER, BILIARY	(C23, C24)	-	0.3	1	0.6
PANCREAS	(C25)	1	2.0	1	2.0
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	1	0.6	-	0.7
LARYNX	(C32)	2	2.0	-	0.5
BRONCHUS AND LUNG	(C34)	6	19.8	5	9.5
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.5	-	0.2
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	1	0.5	-	0.4
MELANOMA OF THE SKIN	(8720-8790)*	5	2.7	5	2.1
BREAST	(C50)	-	0.2	41	30.3
CERVIX UTERI	(C53)	-	-	1	2.7
CORPUS UTERI	(C54-C55)	-	-	5	4.9
OVARY	(C56)	-	-	1	3.5
PROSTATE	(C61)	31	30.6	-	-
TESTES	(C62)	2	0.7	-	-
BLADDER	(C67)	3	5.6	1	2.0
KIDNEY	(C64, C65)	2	2.6	1	1.7
ENDOCRINE	(C37, C73-C75)	-	0.5	1	1.1
LYMPHOMA	(9590-9714, 9750)*	4	3.5	2	3.2
LEUKEMIA	(9800-9941, 9951)*	2	2.0	2	1.6
BRAIN AND CNS	(C70-C72)	3	1.4	1	1.2
ALL CANCERS	(C00-C80)	79	99.3	88	89.7

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

**OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
CHEROKEE COUNTY 1992**

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	-	1.9	1	1.0
ESOPHAGUS	(C15)	-	1.0	-	0.3
STOMACH	(C16)	-	1.2	-	0.8
COLON AND RECTUM	(C18-C20, C26.0)	8	7.6	8	7.0
LIVER	(C22)	-	0.4	-	0.2
GALLBLADDER, BILIARY	(C23, C24)	-	0.2	-	0.3
PANCREAS	(C25)	1	1.3	2	1.2
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.4	-	0.4
LARYNX	(C32)	-	1.3	-	0.3
BRONCHUS AND LUNG	(C34)	14	13.1	3	5.8
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.3	-	0.1
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.3	1	0.2
MELANOMA OF THE SKIN	(8720-8790)*	2	1.6	1	1.2
BREAST	(C50)	-	0.1	8	17.4
CERVIX UTERI	(C53)	-	-	-	1.4
CORPUS UTERI	(C54-C55)	-	-	3	2.9
OVARY	(C56)	-	-	-	2.0
PROSTATE	(C61)	22	21.7	-	-
TESTES	(C62)	-	0.3	-	-
BLADDER	(C67)	5	3.9	-	1.2
KIDNEY	(C64, C65)	2	1.7	-	1.0
ENDOCRINE	(C37, C73-C75)	-	0.3	1	0.6
LYMPHOMA	(9590-9714, 9750)*	2	2.2	4	1.9
LEUKEMIA	(9800-9941, 9951)*	3	1.3	-	0.9
BRAIN AND CNS	(C70-C72)	-	0.8	-	0.7
ALL CANCERS	(C00-C80)	62	66.6	34	52.5

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
CHOWAN COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	-	1.1	-	0.7
ESOPHAGUS	(C15)	1	0.6	-	0.2
STOMACH	(C16)	-	0.7	-	0.5
COLON AND RECTUM	(C18-C20, C26.0)	5	4.4	2	4.6
LIVER	(C22)	-	0.2	-	0.1
GALLBLADDER, BILIARY	(C23, C24)	-	0.1	-	0.2
PANCREAS	(C25)	1	0.8	-	0.8
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.2	-	0.3
LARYNX	(C32)	-	0.8	-	0.2
BRONCHUS AND LUNG	(C34)	1	7.7	3	3.7
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.2	-	0.1
BONE	(C40, C41)	-	-	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.2	-	0.2
MELANOMA OF THE SKIN	(8720-8790)*	1	1.0	1	0.8
BREAST	(C50)	-	0.1	9	11.3
CERVIX UTERI	(C53)	-	-	1	0.9
CORPUS UTERI	(C54-C55)	-	-	1	1.9
OVARY	(C56)	-	-	-	1.3
PROSTATE	(C61)	10	12.5	-	-
TESTES	(C62)	-	0.2	-	-
BLADDER	(C67)	1	2.2	1	0.8
KIDNEY	(C64, C65)	-	1.0	-	0.7
ENDOCRINE	(C37, C73-C75)	-	0.2	-	0.4
LYMPHOMA	(9590-9714, 9750)*	1	1.3	3	1.2
LEUKEMIA	(9800-9941, 9951)*	4	0.8	-	0.6
BRAIN AND CNS	(C70-C72)	1	0.5	-	0.5
ALL CANCERS	(C00-C80)	27	38.9	22	34.5

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

**OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
CLAY COUNTY 1992**

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	-	0.7	-	0.4
ESOPHAGUS	(C15)	-	0.4	-	0.1
STOMACH	(C16)	-	0.5	-	0.3
COLON AND RECTUM	(C18-C20, C26.0)	4	2.9	1	2.5
LIVER	(C22)	-	0.2	-	0.1
GALLBLADDER, BILIARY	(C23, C24)	-	0.1	-	0.1
PANCREAS	(C25)	-	0.5	-	0.4
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.1	-	0.2
LARYNX	(C32)	-	0.5	-	0.1
BRONCHUS AND LUNG	(C34)	2	5.0	1	2.1
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.1	-	-
BONE	(C40, C41)	-	-	-	-
SOFT TISSUE	(C38.0, C49)	-	0.1	-	0.1
MELANOMA OF THE SKIN	(8720-8790)*	-	0.6	-	0.4
BREAST	(C50)	-	0.1	4	6.2
CERVIX UTERI	(C53)	-	-	-	0.5
CORPUS UTERI	(C54-C55)	-	-	1	1.0
OVARY	(C56)	-	-	-	0.7
PROSTATE	(C61)	5	8.2	-	-
TESTES	(C62)	-	0.1	-	-
BLADDER	(C67)	4	1.5	-	0.4
KIDNEY	(C64, C65)	-	0.6	-	0.4
ENDOCRINE	(C37, C73-C75)	-	0.1	-	0.2
LYMPHOMA	(9590-9714, 9750)*	-	0.8	-	0.7
LEUKEMIA	(9800-9941, 9951)*	-	0.5	-	0.3
BRAIN AND CNS	(C70-C72)	-	0.3	-	0.2
ALL CANCERS	(C00-C80)	15	25.3	7	18.7

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
CLEVELAND COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	10	5.9	6	3.5
ESOPHAGUS	(C15)	5	3.1	1	1.1
STOMACH	(C16)	2	3.5	1	2.6
COLON AND RECTUM	(C18-C20, C26.0)	26	22.0	25	24.0
LIVER	(C22)	-	1.2	-	0.7
GALLBLADDER, BILIARY	(C23, C24)	1	0.6	5	1.2
PANCREAS	(C25)	4	3.9	4	4.2
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	1	1.1	2	1.5
LARYNX	(C32)	2	4.1	2	1.1
BRONCHUS AND LUNG	(C34)	33	39.0	20	19.8
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	2	1.0	-	0.4
BONE	(C40, C41)	-	0.3	-	0.3
SOFT TISSUE	(C38.0, C49)	3	1.0	3	0.8
MELANOMA OF THE SKIN	(8720-8790)*	3	5.4	5	4.3
BREAST	(C50)	-	0.4	51	62.7
CERVIX UTERI	(C53)	-	-	5	5.4
CORPUS UTERI	(C54-C55)	-	-	1	10.1
OVARY	(C56)	-	-	9	7.3
PROSTATE	(C61)	69	58.7	-	-
TESTES	(C62)	2	1.5	-	-
BLADDER	(C67)	8	11.0	3	4.1
KIDNEY	(C64, C65)	3	5.2	1	3.5
ENDOCRINE	(C37, C73-C75)	1	1.1	4	2.4
LYMPHOMA	(9590-9714, 9750)*	10	7.0	7	6.7
LEUKEMIA	(9800-9941, 9951)*	2	4.0	4	3.4
BRAIN AND CNS	(C70-C72)	1	2.9	2	2.5
ALL CANCERS	(C00-C80)	197	194.7	170	186.3

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
COLUMBUS COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	2	3.4	2	2.0
ESOPHAGUS	(C15)	2	1.8	-	0.6
STOMACH	(C16)	1	2.0	2	1.5
COLON AND RECTUM	(C18-C20, C26.0)	13	12.6	10	13.9
LIVER	(C22)	4	0.7	-	0.4
GALLBLADDER, BILIARY	(C23, C24)	-	0.4	-	0.7
PANCREAS	(C25)	2	2.2	3	2.4
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.7	-	0.9
LARYNX	(C32)	3	2.3	2	0.6
BRONCHUS AND LUNG	(C34)	21	22.4	9	11.7
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.6	-	0.2
BONE	(C40, C41)	-	0.1	-	0.2
SOFT TISSUE	(C38.0, C49)	-	0.6	1	0.5
MELANOMA OF THE SKIN	(8720-8790)*	1	3.1	-	2.5
BREAST	(C50)	-	0.2	31	36.8
CERVIX UTERI	(C53)	-	-	2	3.2
CORPUS UTERI	(C54-C55)	-	-	4	6.0
OVARY	(C56)	-	-	4	4.2
PROSTATE	(C61)	26	33.5	-	-
TESTES	(C62)	3	0.8	-	-
BLADDER	(C67)	2	6.3	2	2.4
KIDNEY	(C64, C65)	1	3.0	1	1.4
ENDOCRINE	(C37, C73-C75)	2	0.6	2	3.9
LYMPHOMA	(9590-9714, 9750)*	2	4.0	4	2.0
LEUKEMIA	(9800-9941, 9951)*	3	2.3	4	1.5
BRAIN AND CNS	(C70-C72)	1	1.6	2	109.0
ALL CANCERS	(C00-C80)	92	111.4	87	

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

**OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
GRAVEN COUNTY 1992**

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	9	5.1	1	2.7
ESOPHAGUS	(C15)	1	2.6	1	0.8
STOMACH	(C16)	2	3.0	1	2.0
COLON AND RECTUM	(C18-C20, C26.0)	22	18.7	25	18.5
LIVER	(C22)	-	1.0	-	0.5
GALLBLADDER, BILIARY	(C23, C24)	2	0.5	2	0.9
PANCREAS	(C25)	3	3.3	3	3.2
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	1	1.0	1	1.2
LARYNX	(C32)	2	3.5	-	0.9
BRONCHUS AND LUNG	(C34)	37	33.6	22	16.0
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	2	0.9	2	0.3
BONE	(C40, C41)	1	0.2	-	0.3
SOFT TISSUE	(C38.0, C49)	1	0.9	2	0.7
MELANOMA OF THE SKIN	(8720-8790)*	4	4.7	8	3.6
BREAST	(C50)	-	0.3	65	50.5
CERVIX UTERI	(C53)	-	-	5	4.6
CORPUS UTERI	(C54-C55)	-	-	7	8.2
OVARY	(C56)	-	-	7	5.9
PROSTATE	(C61)	66	50.6	-	-
TESTES	(C62)	-	1.6	-	-
BLADDER	(C67)	10	9.3	3	3.2
KIDNEY	(C64, C65)	7	4.4	4	2.8
ENDOCRINE	(C37, C73-C75)	-	1.0	3	2.1
LYMPHOMA	(9590-9714, 9750)*	7	6.3	6	5.5
LEUKEMIA	(9800-9941, 9951)*	4	3.5	4	2.8
BRAIN AND CNS	(C70-C72)	1	2.6	1	2.2
ALL CANCERS	(C00-C80)	190	167.8	185	149.5

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
CUMBERLAND COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	13	12.5	9	6.5
ESOPHAGUS	(C15)	8	6.1	3	1.9
STOMACH	(C16)	7	6.6	12	4.4
COLON AND RECTUM	(C18-C20, C26.0)	43	40.1	41	41.2
LIVER	(C22)	1	2.4	3	1.3
GALLBLADDER, BILIARY	(C23, C24)	-	1.1	4	1.9
PANCREAS	(C25)	9	7.1	6	6.9
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	4	2.5	4	2.9
LARYNX	(C32)	8	8.1	2	2.2
BRONCHUS AND LUNG	(C34)	79	73.2	38	37.3
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	2.2	-	0.8
BONE	(C40, C41)	-	0.8	-	0.8
SOFT TISSUE	(C38.0, C49)	-	2.5	1	1.9
MELANOMA OF THE SKIN	(8720-8790)*	11	12.3	10	10.1
BREAST	(C50)	-	0.7	132	128.8
CERVIX UTERI	(C53)	-	-	12	13.4
CORPUS UTERI	(C54-C55)	-	-	20	19.5
OVARY	(C56)	-	-	13	15.1
PROSTATE	(C61)	85	97.1	-	-
TESTES	(C62)	2	5.9	-	-
BLADDER	(C67)	14	19.7	3	6.9
KIDNEY	(C64, C65)	9	10.3	8	6.9
ENDOCRINE	(C37, C73-C75)	3	3.1	6	6.3
LYMPHOMA	(9590-9714, 9750)*	14	16.9	17	14.0
LEUKEMIA	(9800-9941, 9951)*	8	9.1	7	7.3
BRAIN AND CNS	(C70-C72)	6	7.4	6	6.1
ALL CANCERS	(C00-C80)	347	368.9	375	368.8

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
CURRITUCK COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	-	1.1	1	0.5
ESOPHAGUS	(C15)	-	0.6	-	0.2
STOMACH	(C16)	-	0.6	-	0.4
COLON AND RECTUM	(C18-C20, C26.0)	1	3.9	-	3.4
LIVER	(C22)	-	0.2	-	0.1
GALLBLADDER, BILIARY	(C23, C24)	-	0.1	-	0.2
PANCREAS	(C25)	-	0.7	-	0.6
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.2	-	0.2
LARYNX	(C32)	-	0.7	-	0.2
BRONCHUS AND LUNG	(C34)	2	7.0	-	3.0
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.2	-	0.1
BONE	(C40, C41)	-	-	-	-
SOFT TISSUE	(C38.0, C49)	-	0.2	-	0.1
MELANOMA OF THE SKIN	(8720-8790)*	-	1.0	-	0.7
BREAST	(C50)	-	0.1	7	9.5
CERVIX UTERI	(C53)	-	-	-	0.9
CORPUS UTERI	(C54-C55)	-	-	-	1.5
OVARY	(C56)	-	-	1	1.1
PROSTATE	(C61)	6	10.3	-	-
TESTES	(C62)	-	0.3	-	-
BLADDER	(C67)	-	1.9	-	0.6
KIDNEY	(C64, C65)	-	0.9	-	0.5
ENDOCRINE	(C37, C73-C75)	-	0.2	-	0.4
LYMPHOMA	(9590-9714, 9750)*	1	1.2	-	1.0
LEUKEMIA	(9800-9941, 9951)*	-	0.7	-	0.5
BRAIN AND CNS	(C70-C72)	-	0.5	-	0.4
ALL CANCERS	(C00-C80)	10	34.5	10	28.0

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
DARE COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	-	1.7	-	0.8
ESOPHAGUS	(C15)	1	0.9	-	0.2
STOMACH	(C16)	-	1.0	-	0.6
COLON AND RECTUM	(C18-C20, C26.0)	4	6.2	6	5.3
LIVER	(C22)	-	0.3	-	0.2
GALLBLADDER, BILIARY	(C23, C24)	-	0.2	1	0.3
PANCREAS	(C25)	-	1.1	1	0.9
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.3	-	0.3
LARYNX	(C32)	-	1.2	-	0.3
BRONCHUS AND LUNG	(C34)	4	11.1	1	4.7
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.3	-	0.1
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.3	-	0.2
MELANOMA OF THE SKIN	(C8720-8790)*	-	1.6	1	1.1
BREAST	(C50)	-	0.1	12	15.3
CERVIX UTERI	(C53)	-	-	-	1.4
CORPUS UTERI	(C54-C55)	-	-	1	2.4
OVARY	(C56)	-	-	1	1.8
PROSTATE	(C61)	9	16.5	-	-
TESTES	(C62)	5	0.5	-	-
BLADDER	(C67)	1	3.1	2	0.9
KIDNEY	(C64, C65)	1	1.5	-	0.8
ENDOCRINE	(C37, C73-C75)	1	0.3	-	0.6
LYMPHOMA	(9590-9714, 9750)*	1	2.0	-	1.6
LEUKEMIA	(9800-9941, 9951)*	1	1.1	-	0.8
BRAIN AND CNS	(C70-C72)	1	0.8	-	0.6
ALL CANCERS	(C00-C80)	28	55.2	27	44.2

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
DAVIDSON COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	6	9.1	3	4.8
ESOPHAGUS	(C15)	1	4.7	-	1.5
STOMACH	(C16)	2	5.4	2	3.5
COLON AND RECTUM	(C18-C20, C26.0)	30	33.1	30	32.6
LIVER	(C22)	2	1.8	1	0.9
GALLBLADDER, BILIARY	(C23, C24)	-	1.0	1	1.6
PANCREAS	(C25)	5	5.8	4	5.6
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	1.8	1	2.1
LARYNX	(C32)	6	6.2	2	1.5
BRONCHUS AND LUNG	(C34)	64	58.9	32	27.7
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	1.6	-	0.5
BONE	(C40, C41)	-	0.4	1	0.4
SOFT TISSUE	(C38.0, C49)	2	1.5	3	1.2
MELANOMA OF THE SKIN	(8720-8790)*	7	8.4	7	6.4
BREAST	(C50)	-	0.6	87	89.8
CERVIX UTERI	(C53)	-	-	10	8.1
CORPUS UTERI	(C54-C55)	-	-	16	14.2
OVARY	(C56)	-	-	11	10.3
PROSTATE	(C61)	67	86.8	-	-
TESTES	(C62)	6	2.5	-	-
BLADDER	(C67)	19	16.5	6	5.5
KIDNEY	(C64, C65)	8	7.9	7	4.9
ENDOCRINE	(C37, C73-C75)	2	1.7	6	3.6
LYMPHOMA	(9590-9714, 9750)*	18	10.7	6	9.5
LEUKEMIA	(9800-9941, 9951)*	4	6.0	5	4.8
BRAIN AND CNS	(C70-C72)	8	4.4	3	3.7
ALL CANCERS	(C00-C80)	278	293.2	266	262.4

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
DAVIE COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	2	2.2	2	1.1
ESOPHAGUS	(C15)	1	1.1	-	0.3
STOMACH	(C16)	-	1.3	1	0.9
COLON AND RECTUM	(C18-C20, C26.0)	9	8.1	11	7.9
LIVER	(C22)	-	0.4	-	0.2
GALLBLADDER, BILIARY	(C23, C24)	-	0.2	1	0.4
PANCREAS	(C25)	1	1.4	2	1.4
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	1	0.4	-	0.5
LARYNX	(C32)	2	1.5	-	0.4
BRONCHUS AND LUNG	(C34)	12	14.3	4	6.6
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.4	-	0.1
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	1	0.4	-	0.3
MELANOMA OF THE SKIN	(8720-8790)*	4	2.0	1	1.5
BREAST	(C50)	-	0.1	23	21.0
CERVIX UTERI	(C53)	-	-	1	1.8
CORPUS UTERI	(C54-C55)	-	-	5	3.4
OVARY	(C56)	-	-	4	2.4
PROSTATE	(C61)	27	21.5	-	-
TESTES	(C62)	1	0.5	-	-
BLADDER	(C67)	2	4.0	-	-
KIDNEY	(C64, C65)	4	1.9	1	1.4
ENDOCRINE	(C37, C73-C75)	-	0.4	-	1.2
LYMPHOMA	(9590-9714, 9750)*	1	2.5	-	0.8
LEUKEMIA	(9800-9941, 9951)*	5	1.4	3	2.2
BRAIN AND CNS	(C70-C72)	1	1.0	3	1.1
ALL CANCERS	(C00-C80)	77	71.1	67	62.0

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
DUBLIN COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	1	2.8	-	1.7
ESOPHAGUS	(C15)	4	1.5	-	0.5
STOMACH	(C16)	2	1.7	-	1.2
COLON AND RECTUM	(C18-C20, C26.0)	15	10.6	11	11.5
LIVER	(C22)	1	0.6	-	0.3
GALLBLADDER, BILIARY	(C23, C24)	-	0.3	-	0.6
PANCREAS	(C25)	1	1.9	2	2.0
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	1	0.5	-	0.7
LARYNX	(C32)	2	1.9	-	0.5
BRONCHUS AND LUNG	(C34)	14	18.8	11	9.5
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.5	-	0.2
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.5	-	0.4
MELANOMA OF THE SKIN	(8720-8790)*	4	2.6	2	2.0
BREAST	(C50)	-	0.2	19	29.8
CERVIX UTERI	(C53)	-	-	8	2.6
CORPUS UTERI	(C54-C55)	-	-	5	4.8
OVARY	(C56)	-	-	3	3.5
PROSTATE	(C61)	-	-	-	-
TESTES	(C62)	22	28.7	-	-
BLADDER	(C67)	-	0.7	-	-
KIDNEY	(C64, C65)	3	5.3	2	2.0
ENDOCRINE	(C37, C73-C75)	3	2.5	2	1.7
LYMPHOMA	(9590-9714, 9750)*	-	0.5	-	1.1
LEUKEMIA	(9800-9941, 9951)*	-	3.3	3	3.2
BRAIN AND CNS	(C70-C72)	1	1.9	2	1.6
ALL CANCERS	(C00-C80)	80	94.0	80	88.8

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
DURHAM COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	6	9.9	7	6.1
ESOPHAGUS	(C15)	9	4.9	1	1.8
STOMACH	(C16)	12	5.8	2	4.6
COLON AND RECTUM	(C18-C20, C26.0)	32	35.6	38	41.6
LIVER	(C22)	1	2.0	1	1.2
GALLBLADDER, BILIARY	(C23, C24)	-	1.0	2	2.0
PANCREAS	(C25)	11	6.2	12	7.2
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	2	2.0	1	2.6
LARYNX	(C32)	11	6.5	2	1.8
BRONCHUS AND LUNG	(C34)	75	62.0	58	33.5
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	1.7	-	0.7
BONE	(C40, C41)	1	0.5	2	0.6
SOFT TISSUE	(C38.0, C49)	3	1.8	-	1.6
MELANOMA OF THE SKIN	(8720-8790)*	8	9.6	12	8.6
BREAST	(C50)	1	0.6	127	113.1
CERVIX UTERI	(C53)	-	-	9	11.2
CORPUS UTERI	(C54-C55)	-	-	23	17.5
OVARY	(C56)	-	-	13	13.3
PROSTATE	(C61)	166	92.7	-	-
TESTES	(C62)	1	3.7	-	-
BLADDER	(C67)	21	17.7	4	7.1
KIDNEY	(C64, C65)	11	8.5	10	6.2
ENDOCRINE	(C37, C73-C75)	4	2.1	5	5.0
LYMPHOMA	(9590-9714, 9750)*	18	12.8	13	12.6
LEUKEMIA	(9800-9941, 9951)*	5	7.0	4	6.4
BRAIN AND CNS	(C70-C72)	5	5.3	8	4.8
ALL CANCERS	(C00-C80)	429	318.0	373	334.3

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
EDGECOMBE COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)				
ESOPHAGUS	(C15)	5	3.3	1	2.1
STOMACH	(C16)	2	1.7	1	0.6
COLON AND RECTUM	(C18-C20, C26.0)	20	12.1	18	14.5
LIVER	(C22)	2	0.7	-	0.4
GALLBLADDER, BILIARY	(C23, C24)	1	0.4	1	0.7
PANCREAS	(C25)	1	2.1	5	2.5
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	1	0.7	1	0.9
LARYNX	(C32)	3	2.3	2	0.7
BRONCHUS AND LUNG	(C34)	20	21.6	10	12.1
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	0.6	-	0.2
BONE	(C40, C41)	1	0.2	-	0.2
SOFT TISSUE	(C38.0, C49)	-	0.6	1	0.5
MELANOMA OF THE SKIN	(8720-8790)*	-	3.0	-	2.8
BREAST	(C50)	1	0.2	36	38.9
CERVIX UTERI	(C53)	-	-	1	3.5
CORPUS UTERI	(C54-C55)	-	-	8	6.2
OVARY	(C56)	-	-	-	4.5
PROSTATE	(C61)	37	32.4	-	-
TESTES	(C62)	1	0.9	-	-
BLADDER	(C67)	3	6.1	1	2.5
KIDNEY	(C64, C65)	3	2.9	1	2.2
ENDOCRINE	(C37, C73-C75)	1	0.7	1	1.6
LYMPHOMA	(9590-9714, 9750)*	2	4.0	4	4.2
LEUKEMIA	(9800-9941, 9951)*	-	2.3	-	2.2
BRAIN AND CNS	(C70-C72)	2	1.7	2	1.6
ALL CANCERS	(C00-C80)	115	108.5	99	115.1

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
 FORSYTH COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	17	17.1	9	10.3
ESOPHAGUS	(C15)	11	8.7	5	3.1
STOMACH	(C16)	11	10.1	9	7.7
COLON AND RECTUM	(C18-C20, C26.0)	71	62.1	83	70.5
LIVER	(C22)	4	3.5	2	2.0
GALLBLADDER, BILIARY	(C23, C24)	1	1.8	7	3.4
PANCREAS	(C25)	14	10.9	12	12.2
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	2	3.4	4	4.4
LARYNX	(C32)	6	11.6	5	3.1
BRONCHUS AND LUNG	(C34)	125	110.0	90	57.7
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	3	2.9	2	1.2
BONE	(C40, C41)	1	0.8	2	0.9
SOFT TISSUE	(C38.0, C49)	5	2.9	3	2.6
MELANOMA OF THE SKIN	(8720-8790)*	29	15.9	25	13.5
BREAST	(C50)	-	1.1	243	187.4
CERVIX UTERI	(C53)	-	-	15	17.2
CORPUS UTERI	(C54-C55)	-	-	32	29.7
OVARY	(C56)	-	-	22	21.8
PROSTATE	(C61)	261	163.4	-	-
TESTES	(C62)	1	4.9	-	-
BLADDER	(C67)	32	31.0	12	12.1
KIDNEY	(C64, C65)	17	14.8	12	10.4
ENDOCRINE	(C37, C73-C75)	4	3.4	7	7.5
LYMPHOMA	(9590-9714, 9750)*	26	20.5	24	20.4
LEUKEMIA	(9800-9941, 9951)*	21	11.5	10	10.3
BRAIN AND CNS	(C70-C72)	12	8.5	9	7.7
ALL CANCERS	(C00-C80)	717	551.7	687	555.2

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
FRANKLIN COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	3	2.5	3	1.5
ESOPHAGUS	(C15)	-	1.3	-	0.4
STOMACH	(C16)	-	1.5	-	1.1
COLON AND RECTUM	(C18-C20, C26.0)	14	9.2	8	10.3
LIVER	(C22)	-	0.5	1	0.3
GALLBLADDER, BILIARY	(C23, C24)	-	0.3	-	0.5
PANCREAS	(C25)	1	1.6	3	1.8
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.5	-	0.6
LARYNX	(C32)	-	1.7	-	0.4
BRONCHUS AND LUNG	(C34)	20	16.1	9	8.3
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	0.4	-	0.2
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	1	0.4	-	0.4
MELANOMA OF THE SKIN	(8720-8790)*	2	2.3	-	1.9
BREAST	(C50)	-	0.2	28	26.7
CERVIX UTERI	(C53)	-	-	2	2.4
CORPUS UTERI	(C54-C55)	-	-	4	4.3
OVARY	(C56)	-	-	4	3.1
PROSTATE	(C61)	20	24.3	-	-
TESTES	(C62)	-	0.7	-	-
BLADDER	(C67)	2	4.6	-	-
KIDNEY	(C64, C65)	1	2.2	-	1.8
ENDOCRINE	(C37, C73-C75)	-	0.5	-	1.5
LYMPHOMA	(9590-9714, 9750)*	5	3.0	1	1.0
LEUKEMIA	(9800-9941, 9951)*	2	1.7	2	2.9
BRAIN AND CNS	(C70-C72)	1	1.2	-	1.1
ALL CANCERS	(C00-C80)	77	81.3	73	79.6

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

**OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
GASTON COUNTY 1992**

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	15	11.3	8	6.5
ESOPHAGUS	(C15)	5	5.8	6	2.0
STOMACH	(C16)	7	6.6	4	4.8
COLON AND RECTUM	(C18-C20, C26.0)	49	40.7	58	44.6
LIVER	(C22)	3	2.3	1	1.3
GALLBLADDER, BILIARY	(C23, C24)	1	1.2	-	2.1
PANCREAS	(C25)	2	7.2	11	7.7
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	9	2.2	5	2.8
LARYNX	(C32)	4	7.7	2	2.0
BRONCHUS AND LUNG	(C34)	75	72.5	49	37.4
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	4	1.9	-	0.7
BONE	(C40, C41)	-	0.5	-	0.6
SOFT TISSUE	(C38.0, C49)	2	1.9	1	1.6
MELANOMA OF THE SKIN	(8720-8790)*	12	10.4	13	8.5
BREAST	(C50)	-	0.7	133	120.1
CERVIX UTERI	(C53)	-	-	17	10.8
CORPUS UTERI	(C54-C55)	-	-	28	19.1
OVARY	(C56)	-	-	11	13.9
PROSTATE	(C61)	143	106.6	-	-
TESTES	(C62)	1	3.2	-	-
BLADDER	(C67)	19	20.2	7	7.6
KIDNEY	(C64, C65)	13	9.8	7	6.7
ENDOCRINE	(C37, C73-C75)	2	2.2	7	4.7
LYMPHOMA	(9590-9714, 9750)*	20	13.5	13	12.9
LEUKEMIA	(9800-9941, 9951)*	5	7.6	5	6.5
BRAIN AND CNS	(C70-C72)	5	5.6	4	5.0
ALL CANCERS	(C00-C80)	426	361.8	421	354.0

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
GATES COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	1	0.7	-	0.4
ESOPHAGUS	(C15)	-	0.4	-	0.1
STOMACH	(C16)	-	0.4	-	0.3
COLON AND RECTUM	(C18-C20, C26.0)	-	2.7	-	2.6
LIVER	(C22)	-	0.1	-	0.1
GALLBLADDER, BILIARY	(C23, C24)	-	0.1	-	0.1
PANCREAS	(C25)	-	0.5	-	0.4
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.1	-	0.2
LARYNX	(C32)	-	4.7	-	2.2
BRONCHUS AND LUNG	(C34)	-	0.1	-	-
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	-	-	-
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.6	-	0.5
MELANOMA OF THE SKIN	(8720-8790)*	-	-	2	6.7
BREAST	(C50)	-	-	-	0.6
CERVIX UTERI	(C53)	-	-	1	1.1
CORPUS UTERI	(C54-C55)	-	-	-	0.8
OVARY	(C56)	-	-	-	-
PROSTATE	(C61)	3	7.3	-	-
TESTES	(C62)	-	0.2	-	-
BLADDER	(C67)	-	1.3	-	0.4
KIDNEY	(C64, C65)	-	0.6	-	0.4
ENDOCRINE	(C37, C73-C75)	-	0.1	-	0.3
LYMPHOMA	(9590-9714, 9750)*	-	0.8	-	0.7
LEUKEMIA	(9800-9941, 9951)*	-	0.5	-	0.4
BRAIN AND CNS	(C70-C72)	-	0.3	-	0.3
ALL CANCERS	(C00-C80)	5	23.4	3	20.2

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

**OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
GRAHAM COUNTY 1992**

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	1	0.6	-	0.3
ESOPHAGUS	(C15)	1	0.3	-	0.1
STOMACH	(C16)	1	0.4	-	0.2
COLON AND RECTUM	(C18-C20, C26.0)	1	2.4	7	2.1
LIVER	(C22)	-	0.1	-	0.1
GALLBLADDER, BILIARY	(C23, C24)	-	0.1	-	0.1
PANCREAS	(C25)	-	0.4	2	0.4
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.1	-	0.1
LARYNX	(C32)	1	0.4	-	0.1
BRONCHUS AND LUNG	(C34)	4	4.2	-	1.8
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.1	-	-
BONE	(C40, C41)	-	-	-	-
SOFT TISSUE	(C38.0, C49)	1	0.1	-	0.1
MELANOMA OF THE SKIN	(8720-8790)*	-	0.5	-	0.4
BREAST	(C50)	-	-	3	5.4
CERVIX UTERI	(C53)	-	-	1	0.5
CORPUS UTERI	(C54-C55)	-	-	2	0.9
OVARY	(C56)	-	-	-	0.6
PROSTATE	(C61)	7	6.7	-	-
TESTES	(C62)	-	0.1	-	-
BLADDER	(C67)	-	1.2	-	0.4
KIDNEY	(C64, C65)	-	0.5	-	0.3
ENDOCRINE	(C37, C73-C75)	-	0.1	-	0.2
LYMPHOMA	(9590-9714, 9750)*	-	0.7	2	0.6
LEUKEMIA	(9800-9941, 9951)*	2	0.4	-	0.3
BRAIN AND CNS	(C70-C72)	-	0.3	1	0.2
ALL CANCERS	(C00-C80)	21	20.9	20	16.3

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
GRANVILLE COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	7	2.7	-	1.4
ESOPHAGUS	(C15)	1	1.3	-	0.4
STOMACH	(C16)	1	1.6	1	1.1
COLON AND RECTUM	(C18-C20, C26.0)	11	9.7	8	9.9
LIVER	(C22)	1	0.5	1	0.3
GALLBLADDER, BILIARY	(C23, C24)	-	0.3	-	0.5
PANCREAS	(C25)	1	1.7	5	1.7
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	2	0.5	2	0.6
LARYNX	(C32)	-	1.8	-	0.4
BRONCHUS AND LUNG	(C34)	20	17.0	7	8.2
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	0.5	-	0.2
BONE	(C40, C41)	1	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	1	0.4	-	0.4
MELANOMA OF THE SKIN	(8720-8790)*	1	2.5	-	1.9
BREAST	(C50)	-	0.2	24	26.4
CERVIX UTERI	(C53)	-	-	8	2.4
CORPUS UTERI	(C54-C55)	-	-	6	4.2
OVARY	(C56)	-	-	1	3.1
PROSTATE	(C61)	19	25.2	-	-
TESTES	(C62)	1	0.8	-	-
BLADDER	(C67)	3	4.8	1	1.7
KIDNEY	(C64, C65)	2	2.3	2	1.5
ENDOCRINE	(C37, C73-C75)	-	0.5	1	1.0
LYMPHOMA	(9590-9714, 9750)*	4	3.2	4	2.8
LEUKEMIA	(9800-9941, 9951)*	2	1.8	1	1.4
BRAIN AND CNS	(C70-C72)	3	1.3	1	1.1
ALL CANCERS	(C00-C80)	83	85.5	79	78.0

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

**OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
GREENE COUNTY 1992**

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	1	1.0	1	0.6
ESOPHAGUS	(C15)	-	0.5	1	0.2
STOMACH	(C16)	-	0.6	-	0.5
COLON AND RECTUM	(C18-C20, C26.0)	7	3.7	6	4.2
LIVER	(C22)	-	0.2	-	0.1
GALLBLADDER, BILIARY	(C23, C24)	-	0.1	-	0.2
PANCREAS	(C25)	-	0.7	3	0.7
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.2	-	0.3
LARYNX	(C32)	-	0.7	-	0.2
BRONCHUS AND LUNG	(C34)	1	0.2	3	3.5
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	9	6.6	-	0.1
BONE	(C40, C41)	-	0.2	-	0.1
SOFT TISSUE	(C38.0, C49)	1	0.2	1	0.1
MELANOMA OF THE SKIN	(8720-8790)*	1	1.0	-	0.8
BREAST	(C50)	-	0.1	9	11.0
CERVIX UTERI	(C53)	-	-	1	1.0
CORPUS UTERI	(C54-C55)	-	-	1	1.8
OVARY	(C56)	-	-	2	1.3
PROSTATE	(C61)	3	9.7	-	-
TESTES	(C62)	1	0.3	-	0.7
BLADDER	(C67)	4	1.8	1	0.6
KIDNEY	(C64, C65)	2	0.9	1	0.4
ENDOCRINE	(C37, C73-C75)	-	0.2	-	1.2
LYMPHOMA	(9590-9714, 9750)*	1	1.3	1	0.6
LEUKEMIA	(9800-9941, 9951)*	-	0.7	-	0.5
BRAIN AND CNS	(C70-C72)	1	0.5	-	32.9
ALL CANCERS	(C00-C80)	35	33.1	35	

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
GUILFORD COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	24	22.4	15	13.0
ESOPHAGUS	(C15)	12	11.4	6	3.9
STOMACH	(C16)	12	13.2	7	9.7
COLON AND RECTUM	(C18-C20, C26.0)	76	81.3	96	89.0
LIVER	(C22)	6	4.6	3	2.6
GALLBLADDER, BILIARY	(C23, C24)	-	2.4	1	4.3
PANCREAS	(C25)	9	14.3	19	15.3
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	4	4.4	12	5.6
LARYNX	(C32)	23	15.2	5	4.0
BRONCHUS AND LUNG	(C30-C31, C33, C38.1-C38.8, C39)	138	144.0	93	73.5
OTHER RESPIRATORY	(C40, C41)	-	3.9	-	1.5
BONE	(C38.0, C49)	1	1.0	1	1.2
SOFT TISSUE	(C50)	4	3.8	1	3.3
MELANOMA OF THE SKIN	(C43-C44, C49.0)	20	20.7	4	17.3
BREAST	(C50)	3	1.4	267	239.5
CERVIX UTERI	(C53)	-	-	21	22.0
CORPUS UTERI	(C54-C55)	-	-	38	37.9
OVARY	(C56)	-	-	31	27.8
PROSTATE	(C61)	288	213.9	-	-
TESTES	(C62)	4	6.5	-	-
BLADDER	(C67)	43	40.5	16	15.3
KIDNEY	(C64, C65)	22	19.4	17	13.2
ENDOCRINE	(C37, C73-C75)	6	4.4	9	9.7
LYMPHOMA	(9590-9714, 9750)*	22	26.9	23	26.1
LEUKEMIA	(9800-9941, 9951)*	12	15.0	24	13.1
BRAIN AND CNS	(C70-C72)	13	11.1	9	9.9
ALL CANCERS	(C00-C80)	771	722.1	756	707.1

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
HALIFAX COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	6	3.8	1	2.3
ESOPHAGUS	(C15)	5	2.0	-	0.7
STOMACH	(C16)	4	2.3	4	1.7
COLON AND RECTUM	(C18-C20,C26.0)	10	14.4	17	16.1
LIVER	(C22)	-	0.8	-	0.5
GALLBLADDER, BILIARY	(C23,C24)	-	0.4	2	0.8
PANCREAS	(C25)	2	2.5	5	2.8
OTHER DIGESTIVE ORGANS	(C17,C21,C26.8-C26.9,C48)	-	0.7	-	1.0
LARYNX	(C32)	3	2.6	-	0.7
BRONCHUS AND LUNG	(C34)	22	25.5	11	13.2
OTHER RESPIRATORY	(C30-C31,C33,C38.1-C38.8,C39)	-	0.7	-	0.3
BONE	(C40,C41)	-	0.2	-	0.2
SOFT TISSUE	(C38.0,C49)	-	0.6	-	0.6
MELANOMA OF THE SKIN	(8720-8790)*	4	3.4	1	2.8
BREAST	(C50)	-	0.3	36	41.0
CERVIX UTERI	(C53)	-	-	6	3.5
CORPUS UTERI	(C54-C55)	-	-	9	6.7
OVARY	(C56)	-	-	3	4.8
PROSTATE	(C61)	50	39.6	-	-
TESTES	(C62)	1	0.9	-	-
BLADDER	(C67)	5	7.3	2	2.8
KIDNEY	(C64,C65)	4	3.3	2	2.4
ENDOCRINE	(C37,C73-C75)	-	0.7	-	1.5
LYMPHOMA	(9590-9714,9750)*	3	4.5	2	4.5
LEUKEMIA	(9800-9941,9951)*	3	2.6	2	2.3
BRAIN AND CNS	(C70-C72)	-	1.9	1	1.7
ALL CANCERS	(C00-C80)	125	128.0	111	123.4

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
HARNETT COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	5	4.3	2	2.5
ESOPHAGUS	(C15)	1	2.2	1	0.7
STOMACH	(C16)	3	2.5	4	1.8
COLON AND RECTUM	(C18-C20, C26.0)	10	15.7	11	16.9
LIVER	(C22)	2	0.9	-	0.5
GALLBLADDER, BILIARY	(C23, C24)	-	0.5	-	0.8
PANCREAS	(C25)	2	2.7	3	2.9
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.8	1	1.1
LARYNX	(C32)	-	2.9	3	0.8
BRONCHUS AND LUNG	(C34)	25	27.8	12	14.2
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.8	-	0.3
BONE	(C40, C41)	1	0.2	2	0.2
SOFT TISSUE	(C38.0, C49)	1	0.7	1	0.6
MELANOMA OF THE SKIN	(8720-8790)*	3	4.0	1	3.2
BREAST	(C50)	-	0.3	45	45.0
CERVIX UTERI	(C53)	-	-	4	4.1
CORPUS UTERI	(C54-C55)	-	-	3	7.2
OVARY	(C56)	-	-	4	5.3
PROSTATE	(C61)	-	-	-	-
TESTES	(C62)	38	41.4	-	-
BLADDER	(C67)	-	1.3	-	-
KIDNEY	(C64, C65)	5	7.8	4	2.9
ENDOCRINE	(C37, C73-C75)	8	3.7	3	2.5
LYMPHOMA	(9590-9714, 9750)*	-	0.9	-	1.8
LEUKEMIA	(9800-9941, 9951)*	5	5.3	5	5.0
BRAIN AND CNS	(C70-C72)	3	3.0	1	2.5
ALL CANCERS	(C00-C80)	126	139.7	123	133.8

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
HAYWOOD COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	4	4.2	2	2.4
ESOPHAGUS	(C15)	3	2.2	-	0.7
STOMACH	(C16)	3	2.7	1	1.9
COLON AND RECTUM	(C18-C20, C26.0)	17	16.8	15	17.1
LIVER	(C22)	1	0.9	1	0.5
GALLBLADDER, BILIARY	(C23, C24)	-	0.5	1	0.8
PANCREAS	(C25)	5	3.0	1	3.0
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	2	0.8	1	1.0
LARYNX	(C32)	1	3.0	3	0.7
BRONCHUS AND LUNG	(C34)	27	29.4	12	13.9
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	0.7	-	0.3
BONE	(C40, C41)	-	0.2	-	0.2
SOFT TISSUE	(C38.0, C49)	1	0.7	-	0.5
MELANOMA OF THE SKIN	(8720-8790)*	7	3.7	7	2.8
BREAST	(C50)	1	0.3	51	42.4
CERVIX UTERI	(C53)	-	-	5	3.4
CORPUS UTERI	(C54-C55)	-	-	6	7.0
OVARY	(C56)	-	-	9	4.9
PROSTATE	(C61)	38	46.7	-	-
TESTES	(C62)	1	0.8	-	-
BLADDER	(C67)	6	8.5	4	2.9
KIDNEY	(C64, C65)	2	3.8	3	2.4
ENDOCRINE	(C37, C73-C75)	-	0.7	2	1.4
LYMPHOMA	(9590-9714, 9750)*	3	4.8	6	4.6
LEUKEMIA	(9800-9941, 9951)*	1	2.8	1	2.3
BRAIN AND CNS	(C70-C72)	3	1.9	2	1.6
ALL CANCERS	(C00-C80)	132	147.1	143	127.5

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
HENDERSON COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	8	6.8	9	3.8
ESOPHAGUS	(C15)	-	3.7	-	1.2
STOMACH	(C16)	3	4.6	2	3.0
COLON AND RECTUM	(C18-C20, C26.0)	28	28.8	24	27.7
LIVER	(C22)	1	1.5	2	0.8
GALLBLADDER, BILIARY	(C23, C24)	1	0.9	1	1.3
PANCREAS	(C25)	9	5.0	2	4.9
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	1	1.3	2	1.6
LARYNX	(C32)	3	4.8	1	1.1
BRONCHUS AND LUNG	(C34)	48	49.5	22	22.1
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	1.2	1	0.4
BONE	(C40, C41)	-	0.2	1	0.3
SOFT TISSUE	(C38.0, C49)	3	1.1	-	0.9
MELANOMA OF THE SKIN	(8720-8790)*	5	5.9	4	4.3
BREAST	(C50)	-	0.5	78	66.0
CERVIX UTERI	(C53)	-	-	3	5.2
CORPUS UTERI	(C54-C55)	-	-	9	11.1
OVARY	(C56)	-	-	10	7.7
PROSTATE	(C61)	112	83.3	-	-
TESTES	(C62)	1	1.1	-	-
BLADDER	(C67)	15	14.6	8	4.8
KIDNEY	(C64, C65)	10	6.2	5	3.9
ENDOCRINE	(C37, C73-C75)	1	1.1	3	2.1
LYMPHOMA	(9590-9714, 9750)*	10	8.0	11	7.2
LEUKEMIA	(9800-9941, 9951)*	8	4.7	5	3.6
BRAIN AND CNS	(C70-C72)	7	3.0	4	2.5
ALL CANCERS	(C00-C80)	290	251.3	225	201.5

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
HERTFORD COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	3	1.5	1	0.9
ESOPHAGUS	(C15)	-	0.8	-	0.3
STOMACH	(C16)	4	0.9	1	0.7
COLON AND RECTUM	(C18-C20, C26.0)	11	5.7	8	6.6
LIVER	(C22)	-	0.3	-	0.2
GALLBLADDER, BILIARY	(C23, C24)	-	1.0	-	0.3
PANCREAS	(C25)	2	0.3	1	1.2
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	2	0.3	-	0.4
LARYNX	(C32)	6	1.0	2	0.3
BRONCHUS AND LUNG	(C34)	-	10.0	1	5.3
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.3	-	0.1
BONE	(C40, C41)	1	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.2	-	0.2
MELANOMA OF THE SKIN	(8720-8790)*	-	1.3	1	1.1
BREAST	(C50)	-	0.1	9	16.5
CERVIX UTERI	(C53)	-	-	-	1.4
CORPUS UTERI	(C54-C55)	-	-	3	2.7
OVARY	(C56)	-	-	2	1.9
PROSTATE	(C61)	8	15.6	-	-
TESTES	(C62)	-	0.3	-	-
BLADDER	(C67)	-	2.9	-	1.1
KIDNEY	(C64, C65)	-	1.3	-	0.9
ENDOCRINE	(C37, C73-C75)	-	0.3	-	0.6
LYMPHOMA	(9590-9714, 9750)*	1	1.8	1	1.8
LEUKEMIA	(9800-9941, 9951)*	1	1.0	1	0.9
BRAIN AND CNS	(C70-C72)	1	0.7	-	0.7
ALL CANCERS	(C00-C80)	44	50.4	31	49.7

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
HOKE COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	2	1.3	-	0.7
ESOPHAGUS	(C15)	4	0.6	-	0.2
STOMACH	(C16)	1	0.7	-	0.5
COLON AND RECTUM	(C18-C20, C26.0)	4	4.4	1	4.6
LIVER	(C22)	-	0.3	-	0.1
GALLBLADDER, BILIARY	(C23, C24)	1	0.1	-	0.2
PANCREAS	(C25)	1	0.8	-	0.8
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.3	-	0.3
LARYNX	(C32)	-	0.8	-	0.2
BRONCHUS AND LUNG	(C34)	8	7.9	3	4.0
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.2	-	0.1
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.2	1	0.2
MELANOMA OF THE SKIN	(8720-8790)*	1	1.2	-	1.0
BREAST	(C50)	-	0.1	13	13.0
CERVIX UTERI	(C53)	-	-	3	1.2
CORPUS UTERI	(C54-C55)	-	-	-	2.1
OVARY	(C56)	-	-	-	1.5
PROSTATE	(C61)	-	-	-	-
TESTES	(C62)	10	11.1	-	-
BLADDER	(C67)	-	0.4	-	-
KIDNEY	(C64, C65)	2	2.2	2	0.8
ENDOCRINE	(C37, C73-C75)	2	1.1	-	0.7
LYMPHOMA	(9590-9714, 9750)*	-	0.3	-	0.6
LEUKEMIA	(9800-9941, 9951)*	2	1.6	-	1.4
BRAIN AND CNS	(C70-C72)	-	0.9	1	0.7
ALL CANCERS	(C00-C80)	40	39.5	2	0.6
				30	38.2

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
HYDE COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	1	0.4	-	0.2
ESOPHAGUS	(C15)	-	0.2	-	0.1
STOMACH	(C16)	-	0.3	1	0.2
COLON AND RECTUM	(C18-C20, C26.0)	3	1.7	1	1.7
LIVER	(C22)	-	0.1	-	-
GALLBLADDER, BILIARY	(C23, C24)	-	0.1	-	0.1
PANCREAS	(C25)	-	0.3	-	0.3
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.1	-	0.1
LARYNX	(C32)	-	0.3	-	0.1
BRONCHUS AND LUNG	(C34)	2	2.9	-	1.3
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.1	-	-
BONE	(C40, C41)	-	-	-	-
SOFT TISSUE	(C38.0, C49)	-	0.1	-	0.1
MELANOMA OF THE SKIN	(8720-8790)*	-	0.4	-	0.3
BREAST	(C50)	-	-	2	4.1
CERVIX UTERI	(C53)	-	-	-	0.3
CORPUS UTERI	(C54-C55)	-	-	1	0.7
OVARY	(C56)	-	-	-	0.5
PROSTATE	(C61)	3	4.7	-	-
TESTES	(C62)	-	0.1	-	-
BLADDER	(C67)	-	0.8	-	0.3
KIDNEY	(C64, C65)	-	0.4	-	0.2
ENDOCRINE	(C37, C73-C75)	-	0.1	-	0.1
LYMPHOMA	(9590-9714, 9750)*	-	0.5	-	0.4
LEUKEMIA	(9800-9941, 9951)*	-	0.3	1	0.2
BRAIN AND CNS	(C70-C72)	-	0.2	-	0.2
ALL CANCERS	(C00-C80)	10	14.9	6	12.4

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
IREDELL COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	8	6.8	5	3.8
ESOPHAGUS	(C15)	2	3.5	-	1.1
STOMACH	(C16)	1	4.0	3	2.8
COLON AND RECTUM	(C18-C20, C26.0)	24	25.1	29	25.8
LIVER	(C22)	1	1.4	-	0.7
GALLBLADDER, BILIARY	(C23, C24)	1	0.7	-	1.2
PANCREAS	(C25)	6	4.4	5	4.5
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	2	1.3	7	1.6
LARYNX	(C32)	5	4.6	-	1.2
BRONCHUS AND LUNG	(C34)	46	44.3	25	21.6
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	3	1.2	-	0.4
BONE	(C40, C41)	-	0.3	-	0.3
SOFT TISSUE	(C38.0, C49)	1	1.1	-	0.9
MELANOMA OF THE SKIN	(8720-8790)*	3	6.2	4	4.8
BREAST	(C50)	-	0.4	64	68.8
CERVIX UTERI	(C53)	-	-	5	6.0
CORPUS UTERI	(C54-C55)	-	-	8	11.0
OVARY	(C56)	-	-	10	7.9
PROSTATE	(C61)	90	66.6	-	-
TESTES	(C62)	1	1.7	-	-
BLADDER	(C67)	15	12.5	-	4.4
KIDNEY	(C64, C65)	12	5.9	3	3.8
ENDOCRINE	(C37, C73-C75)	1	1.3	2	2.6
LYMPHOMA	(9590-9714, 9750)*	6	8.0	10	7.3
LEUKEMIA	(9800-9941, 9951)*	6	4.5	6	3.7
BRAIN AND CNS	(C70-C72)	6	3.3	4	2.8
ALL CANCERS	(C00-C80)	257	221.4	204	202.8

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
JACKSON COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	-	1.9	3	1.1
ESOPHAGUS	(C15)	-	1.0	1	0.3
STOMACH	(C16)	-	1.2	1	0.8
COLON AND RECTUM	(C18-C20, C26.0)	8	7.5	9	7.5
LIVER	(C22)	-	0.4	-	0.2
GALLBLADDER, BILIARY	(C23, C24)	-	0.2	-	0.4
PANCREAS	(C25)	-	1.3	1	1.3
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.4	1	0.5
LARYNX	(C32)	-	1.3	-	0.3
BRONCHUS AND LUNG	(C34)	17	13.1	8	6.1
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.3	-	0.1
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	1	0.3	-	0.3
MELANOMA OF THE SKIN	(8720-8790)*	-	1.7	2	1.4
BREAST	(C50)	-	0.1	17	19.4
CERVIX UTERI	(C53)	-	-	3	1.7
CORPUS UTERI	(C54-C55)	-	-	2	3.1
OVARY	(C56)	-	-	4	2.2
PROSTATE	(C61)	25	20.4	-	-
TESTES	(C62)	3	0.5	-	-
BLADDER	(C67)	-	3.8	1	1.3
KIDNEY	(C64, C65)	-	1.7	-	1.1
ENDOCRINE	(C37, C73-C75)	1	0.4	1	0.7
LYMPHOMA	(9590-9714, 9750)*	3	2.3	2	2.1
LEUKEMIA	(9800-9941, 9951)*	-	1.3	-	1.1
BRAIN AND CNS	(C70-C72)	1	0.9	1	0.8
ALL CANCERS	(C00-C80)	63	65.7	61	57.9

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
JOHNSTON COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	4	5.7	2	3.2
ESOPHAGUS	(C15)	1	2.9	2	1.0
STOMACH	(C16)	2	3.3	3	2.4
COLON AND RECTUM	(C18-C20, C26.0)	23	20.6	15	22.0
LIVER	(C22)	-	1.2	-	0.6
GALLBLADDER, BILIARY	(C23, C24)	-	0.6	1	1.1
PANCREAS	(C25)	6	3.6	2	3.8
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	1.1	4	1.4
LARYNX	(C32)	5	3.9	3	1.0
BRONCHUS AND LUNG	(C34)	43	36.8	28	18.6
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	1.0	-	0.4
BONE	(C40, C41)	1	0.3	1	0.3
SOFT TISSUE	(C38.0, C49)	-	0.9	-	0.8
MELANOMA OF THE SKIN	(8720-8790)*	3	5.2	4	4.2
BREAST	(C50)	1	0.4	67	59.5
CERVIX UTERI	(C53)	-	-	6	5.3
CORPUS UTERI	(C54-C55)	-	-	12	9.5
OVARY	(C56)	-	-	1	6.9
PROSTATE	(C61)	48	54.2	-	-
TESTES	(C62)	1	1.6	-	-
BLADDER	(C67)	10	10.3	3	3.7
KIDNEY	(C64, C65)	5	4.9	6	3.3
ENDOCRINE	(C37, C73-C75)	1	1.1	4	2.3
LYMPHOMA	(9590-9714, 9750)*	6	6.8	12	6.4
LEUKEMIA	(9800-9941, 9951)*	4	3.8	5	3.2
BRAIN AND CNS	(C70-C72)	4	2.8	-	2.5
ALL CANCERS	(C00-C80)	179	183.2	198	175.3

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
JONES COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	-	0.7	-	0.4
ESOPHAGUS	(C15)	1	0.4	-	0.1
STOMACH	(C16)	-	0.4	-	0.3
COLON AND RECTUM	(C18-C20, C26.0)	1	2.5	2	2.6
LIVER	(C22)	1	0.1	-	0.1
GALLBLADDER, BILIARY	(C23, C24)	-	0.1	-	0.1
PANCREAS	(C25)	-	0.4	1	0.5
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.1	-	0.2
LARYNX	(C32)	1	0.5	1	0.1
BRONCHUS AND LUNG	(C34)	3	4.5	1	2.2
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.1	-	-
BONE	(C40, C41)	-	-	-	-
SOFT TISSUE	(C38.0, C49)	-	0.1	-	0.1
MELANOMA OF THE SKIN	(8720-8790)*	-	0.6	-	0.5
BREAST	(C50)	-	-	-	6.9
CERVIX UTERI	(C53)	-	-	4	0.6
CORPUS UTERI	(C54-C55)	-	-	1	1.1
OVARY	(C56)	-	-	2	0.8
PROSTATE	(C61)	11	6.9	-	-
TESTES	(C62)	-	0.2	-	-
BLADDER	(C67)	-	1.3	-	0.4
KIDNEY	(C64, C65)	1	0.6	-	0.4
ENDOCRINE	(C37, C73-C75)	-	0.1	-	0.3
LYMPHOMA	(9590-9714, 9750)*	-	0.8	-	0.7
LEUKEMIA	(9800-9941, 9951)*	1	0.4	-	0.4
BRAIN AND CNS	(C70-C72)	-	0.3	-	0.3
ALL CANCERS	(C00-C80)	22	22.3	16	20.5

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
LEE COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	6	3.0	3	1.6
ESOPHAGUS	(C15)	-	1.6	-	0.5
STOMACH	(C16)	3	1.8	3	1.2
COLON AND RECTUM	(C18-C20, C26.0)	12	11.1	9	11.3
LIVER	(C22)	1	0.6	1	0.3
GALLBLADDER, BILIARY	(C23, C24)	-	0.3	1	0.5
PANCREAS	(C25)	3	2.0	5	1.9
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	2	0.6	-	0.7
LARYNX	(C32)	3	2.1	1	0.5
BRONCHUS AND LUNG	(C34)	18	19.9	7	9.6
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	0.5	-	0.2
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	1	0.5	-	0.4
MELANOMA OF THE SKIN	(8720-8790)*	2	2.7	2	2.1
BREAST	(C50)	-	0.2	29	30.3
CERVIX UTERI	(C53)	-	-	3	2.6
CORPUS UTERI	(C54-C55)	-	-	10	4.9
OVARY	(C56)	-	-	1	3.5
PROSTATE	(C61)	30	29.8	-	-
TESTES	(C62)	1	0.8	-	-
BLADDER	(C67)	8	5.5	6	1.9
KIDNEY	(C64, C65)	1	2.6	2	1.7
ENDOCRINE	(C37, C73-C75)	-	0.6	1	1.2
LYMPHOMA	(9590-9714, 9750)*	6	3.5	3	3.2
LEUKEMIA	(9800-9941, 9951)*	1	2.0	1	1.6
BRAIN AND CNS	(C70-C72)	2	1.5	-	1.3
ALL CANCERS	(C00-C80)	108	98.7	90	89.1

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
LENOIR COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	4	3.9	5	2.4
ESOPHAGUS	(C15)	4	2.0	2	0.7
STOMACH	(C16)	1	2.3	4	1.8
COLON AND RECTUM	(C18-C20, C26.0)	22	14.4	25	16.7
LIVER	(C22)	3	0.8	-	0.5
GALLBLADDER, BILIARY	(C23, C24)	-	0.4	1	0.8
PANCREAS	(C25)	3	2.5	2	2.9
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	2	0.8	1	1.0
LARYNX	(C32)	7	2.7	-	0.8
BRONCHUS AND LUNG	(C34)	33	25.8	17	14.1
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.7	-	0.3
BONE	(C40, C41)	1	0.2	-	0.2
SOFT TISSUE	(C38.0, C49)	-	0.6	1	0.6
MELANOMA OF THE SKIN	(8720-8790)*	3	3.5	6	3.0
BREAST	(C50)	2	0.2	49	44.1
CERVIX UTERI	(C53)	-	-	5	3.8
CORPUS UTERI	(C54-C55)	-	-	13	7.1
OVARY	(C56)	-	-	3	5.1
PROSTATE	(C61)	58	38.8	-	-
TESTES	(C62)	1	1.0	-	-
BLADDER	(C67)	6	7.2	5	2.8
KIDNEY	(C64, C65)	5	3.4	3	2.5
ENDOCRINE	(C37, C73-C75)	2	0.7	2	1.6
LYMPHOMA	(9590-9714, 9750)*	9	4.6	7	4.7
LEUKEMIA	(9800-9941, 9951)*	1	2.6	3	2.4
BRAIN AND CNS	(C70-C72)	3	1.9	3	1.8
ALL CANCERS	(C00-C80)	181	128.1	177	130.6

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
LINCOLN COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	4	3.5	-	1.8
ESOPHAGUS	(C15)	4	1.8	-	0.6
STOMACH	(C16)	3	2.0	2	1.3
COLON AND RECTUM	(C18-C20, C26.0)	14	12.5	12	12.4
LIVER	(C22)	-	0.7	1	0.4
GALLBLADDER, BILIARY	(C23, C24)	-	0.4	-	0.6
PANCREAS	(C25)	4	2.2	-	2.1
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	2	0.7	1	0.8
LARYNX	(C32)	3	2.4	2	0.6
BRONCHUS AND LUNG	(C34)	21	22.3	13	10.6
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.6	-	0.2
BONE	(C40, C41)	-	0.2	-	0.2
SOFT TISSUE	(C38.0, C49)	1	0.6	-	0.5
MELANOMA OF THE SKIN	(8720-8790)*	9	3.2	3	2.4
BREAST	(C50)	-	0.2	34	34.3
CERVIX UTERI	(C53)	-	-	6	3.1
CORPUS UTERI	(C54-C55)	-	-	5	5.4
OVARY	(C56)	-	-	5	3.9
PROSTATE	(C61)	46	32.5	-	-
TESTES	(C62)	2	1.0	-	-
BLADDER	(C67)	8	6.2	3	2.1
KIDNEY	(C64, C65)	2	3.0	3	1.9
ENDOCRINE	(C37, C73-C75)	1	0.7	1	1.4
LYMPHOMA	(9590-9714, 9750)*	5	4.1	8	3.6
LEUKEMIA	(9800-9941, 9951)*	1	2.3	3	1.8
BRAIN AND CNS	(C70-C72)	-	1.7	2	1.4
ALL CANCERS	(C00-C80)	136	111.0	111	100.1

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
MACON COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	2	2.5	-	1.4
ESOPHAGUS	(C15)	-	1.3	-	0.4
STOMACH	(C16)	4	1.7	3	1.1
COLON AND RECTUM	(C18-C20, C26.0)	10	10.5	8	9.7
LIVER	(C22)	-	0.6	-	0.3
GALLBLADDER, BILIARY	(C23, C24)	-	0.3	1	0.5
PANCREAS	(C25)	3	1.8	1	1.7
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.5	-	0.6
LARYNX	(C32)	1	1.8	-	0.4
BRONCHUS AND LUNG	(C34)	13	18.0	8	7.9
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	0.4	-	0.2
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	2	0.4	1	0.3
MELANOMA OF THE SKIN	(8720-8790)*	1	2.1	-	1.5
BREAST	(C50)	-	0.2	25	23.4
CERVIX UTERI	(C53)	-	-	1	1.8
CORPUS UTERI	(C54-C55)	-	-	6	3.9
OVARY	(C56)	-	-	6	2.7
PROSTATE	(C61)	71	30.3	-	-
TESTES	(C62)	-	0.4	-	-
BLADDER	(C67)	12	5.4	3	1.7
KIDNEY	(C64, C65)	1	2.3	1	1.4
ENDOCRINE	(C37, C73-C75)	1	0.4	1	0.7
LYMPHOMA	(9590-9714, 9750)*	-	2.9	3	2.5
LEUKEMIA	(9800-9941, 9951)*	1	1.7	1	1.3
BRAIN AND CNS	(C70-C72)	-	1.1	-	0.9
ALL CANCERS	(C00-C80)	126	91.6	74	71.3

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
MADISON COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	3	1.4	-	0.7
ESOPHAGUS	(C15)	-	0.7	-	0.2
STOMACH	(C16)	1	0.9	1	0.6
COLON AND RECTUM	(C18-C20, C26.0)	4	5.7	8	5.3
LIVER	(C22)	-	0.3	-	0.1
GALLBLADDER, BILIARY	(C23, C24)	-	0.2	-	0.3
PANCREAS	(C25)	1	1.0	1	0.9
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.3	-	0.3
LARYNX	(C32)	-	1.0	-	0.2
BRONCHUS AND LUNG	(C34)	11	9.8	4	4.2
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.2	-	0.1
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.2	-	0.2
MELANOMA OF THE SKIN	(8720-8790)*	2	1.3	-	0.9
BREAST	(C50)	-	0.1	14	13.2
CERVIX UTERI	(C53)	-	-	3	1.1
CORPUS UTERI	(C54-C55)	-	-	2	2.2
OVARY	(C56)	-	-	1	1.5
PROSTATE	(C61)	11	15.8	-	-
TESTES	(C62)	-	0.3	-	-
BLADDER	(C67)	2	2.9	2	0.9
KIDNEY	(C64, C65)	1	1.3	1	0.8
ENDOCRINE	(C37, C73-C75)	-	0.2	2	0.5
LYMPHOMA	(9590-9714, 9750)*	-	1.7	1	1.4
LEUKEMIA	(9800-9941, 9951)*	1	1.0	1	0.7
BRAIN AND CNS	(C70-C72)	-	0.6	-	0.5
ALL CANCERS	(C00-C80)	43	49.7	44	39.7

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
MARTIN COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	3	1.8	1	1.1
ESOPHAGUS	(C15)	3	0.9	-	0.3
STOMACH	(C16)	1	1.1	-	0.8
COLON AND RECTUM	(C18-C20, C26.0)	6	6.6	6	7.5
LIVER	(C22)	1	0.4	-	0.2
GALLBLADDER, BILIARY	(C23, C24)	1	0.2	-	0.4
PANCREAS	(C25)	2	1.2	2	1.3
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.3	1	0.5
LARYNX	(C32)	-	1.2	-	0.3
BRONCHUS AND LUNG	(C34)	14	11.8	7	6.3
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.3	-	0.1
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.3	-	0.3
MELANOMA OF THE SKIN	(8720-8790)*	1	1.6	1	1.3
BREAST	(C50)	-	0.1	16	19.5
CERVIX UTERI	(C53)	-	-	2	1.7
CORPUS UTERI	(C54-C55)	-	-	2	3.2
OVARY	(C56)	-	-	3	2.3
PROSTATE	(C61)	7	18.0	-	-
TESTES	(C62)	-	0.4	-	-
BLADDER	(C67)	2	3.3	-	-
KIDNEY	(C64, C65)	1	1.6	2	1.3
ENDOCRINE	(C37, C73-C75)	-	0.3	1	1.1
LYMPHOMA	(9590-9714, 9750)*	-	2.1	1	0.7
LEUKEMIA	(9800-9941, 9951)*	-	1.2	1	2.1
BRAIN AND CNS	(C70-C72)	-	0.9	-	1.1
ALL CANCERS	(C00-C80)	43	58.9	46	58.3

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
MCDOWELL COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	3	2.7	3	1.5
ESOPHAGUS	(C15)	1	1.4	-	0.5
STOMACH	(C16)	1	1.6	1	1.1
COLON AND RECTUM	(C18-C20, C26.0)	12	10.2	12	10.4
LIVER	(C22)	-	0.6	-	0.3
GALLBLADDER, BILIARY	(C23, C24)	1	0.3	-	0.5
PANCREAS	(C25)	1	1.8	-	1.8
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	1	0.5	-	0.6
LARYNX	(C32)	1	1.9	-	0.5
BRONCHUS AND LUNG	(C34)	13	18.0	8	8.5
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.5	-	0.2
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.4	-	0.4
MELANOMA OF THE SKIN	(8720-8790)*	1	2.4	2	1.8
BREAST	(C50)	-	0.2	29	26.8
CERVIX UTERI	(C53)	-	-	5	2.3
CORPUS UTERI	(C54-C55)	-	-	6	4.3
OVARY	(C56)	-	-	-	3.1
PROSTATE	(C61)	-	-	-	-
TESTES	(C62)	27	27.6	-	-
BLADDER	(C67)	1	0.6	-	-
KIDNEY	(C64, C65)	1	5.1	6	1.8
ENDOCRINE	(C37, C73-C75)	1	2.4	2	1.5
LYMPHOMA	(9590-9714, 9750)*	-	0.5	-	1.0
LEUKEMIA	(9800-9941, 9951)*	2	3.1	2	2.9
BRAIN AND CNS	(C70-C72)	1	1.8	2	1.4
ALL CANCERS	(C00-C80)	76	90.0	87	79.9

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
MECKLENBURG COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	24	29.3	16	16.3
ESOPHAGUS	(C15)	18	14.5	10	4.8
STOMACH	(C16)	19	16.5	13	11.8
COLON AND RECTUM	(C18-C20, C26.0)	128	100.8	123	108.1
LIVER	(C22)	8	5.8	2	3.2
GALLBLADDER, BILIARY	(C23, C24)	1	2.9	5	5.2
PANCREAS	(C25)	22	17.7	15	18.4
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	11	5.8	10	7.1
LARYNX	(C32)	15	19.3	6	5.2
BRONCHUS AND LUNG	(C34)	171	179.0	108	91.4
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	3	5.1	-	1.9
BONE	(C40, C41)	3	1.5	1	1.7
SOFT TISSUE	(C38.0, C49)	10	5.2	7	4.5
MELANOMA OF THE SKIN	(8720-8790)*	30	28.3	17	23.8
BREAST	(C50)	3	1.8	375	312.6
CERVIX UTERI	(C53)	-	-	17	31.2
CORPUS UTERI	(C54-C55)	-	-	46	47.8
OVARY	(C56)	-	-	44	36.3
PROSTATE	(C61)	413	254.9	-	-
TESTES	(C62)	11	10.6	-	-
BLADDER	(C67)	40	49.9	19	18.4
KIDNEY	(C64, C65)	28	24.9	15	16.8
ENDOCRINE	(C37, C73-C75)	11	6.3	15	14.1
LYMPHOMA	(9590-9714, 9750)*	57	36.6	33	33.7
LEUKEMIA	(9800-9941, 9951)*	17	20.1	21	17.1
BRAIN AND CNS	(C70-C72)	20	15.5	10	13.6
ALL CANCERS	(C00-C80)	1124	904.0	994	906.5

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
MITCHELL COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	2	1.2	-	0.7
ESOPHAGUS	(C15)	-	0.7	-	0.2
STOMACH	(C16)	-	0.8	-	0.5
COLON AND RECTUM	(C18-C20, C26.0)	2	4.9	3	5.0
LIVER	(C22)	-	0.3	-	0.1
GALLBLADDER, BILIARY	(C23, C24)	-	0.1	1	0.2
PANCREAS	(C25)	1	0.9	1	0.9
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.2	-	0.3
LARYNX	(C32)	2	0.9	-	0.2
BRONCHUS AND LUNG	(C34)	7	8.5	3	4.0
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	0.2	-	0.1
BONE	(C40, C41)	-	-	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.2	1	0.2
MELANOMA OF THE SKIN	(8720-8790)*	1	1.1	1	0.8
BREAST	(C50)	-	0.1	14	12.3
CERVIX UTERI	(C53)	-	-	-	1.0
CORPUS UTERI	(C54-C55)	-	-	-	2.0
OVARY	(C56)	-	-	2	1.4
PROSTATE	(C61)	7	13.6	-	-
TESTES	(C62)	1	0.2	-	-
BLADDER	(C67)	-	2.5	-	0.9
KIDNEY	(C64, C65)	2	1.1	1	0.7
ENDOCRINE	(C37, C73-C75)	-	0.2	1	0.4
LYMPHOMA	(9590-9714, 9750)*	2	1.4	2	1.3
LEUKEMIA	(9800-9941, 9951)*	1	0.8	-	0.7
BRAIN AND CNS	(C70-C72)	1	0.6	-	0.5
ALL CANCERS	(C00-C80)	36	42.9	31	37.1

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
MONTGOMERY COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	1	1.6	2	0.9
ESOPHAGUS	(C15)	1	0.8	-	0.3
STOMACH	(C16)	1	1.0	-	0.7
COLON AND RECTUM	(C18-C20, C26.0)	10	6.0	7	6.1
LIVER	(C22)	-	0.3	-	0.2
GALLBLADDER, BILIARY	(C23, C24)	-	0.2	-	0.3
PANCREAS	(C25)	3	1.1	1	1.1
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.3	-	0.4
LARYNX	(C32)	2	1.1	-	0.3
BRONCHUS AND LUNG	(C34)	14	10.6	3	5.1
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.3	-	0.1
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.3	-	0.2
MELANOMA OF THE SKIN	(8720-8790)*	1	1.5	1	1.1
BREAST	(C50)	-	0.1	14	15.9
CERVIX UTERI	(C53)	-	-	1	1.4
CORPUS UTERI	(C54-C55)	-	-	3	2.6
OVARY	(C56)	-	-	1	1.8
PROSTATE	(C61)	30	16.3	-	-
TESTES	(C62)	1	0.4	-	-
BLADDER	(C67)	3	3.0	3	1.0
KIDNEY	(C64, C65)	1	1.4	4	0.9
ENDOCRINE	(C37, C73-C75)	-	0.3	1	0.6
LYMPHOMA	(9590-9714, 9750)*	2	2.0	3	1.7
LEUKEMIA	(9800-9941, 9951)*	3	1.1	1	0.9
BRAIN AND CNS	(C70-C72)	1	0.8	-	0.7
ALL CANCERS	(C00-C80)	76	53.6	47	47.6

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
MOORE COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	8	5.5	3	3.1
ESOPHAGUS	(C15)	2	3.0	1	1.0
STOMACH	(C16)	3	3.7	1	2.4
COLON AND RECTUM	(C18-C20, C26.0)	16	23.1	20	22.3
LIVER	(C22)	2	1.2	-	0.6
GALLBLADDER, BILIARY	(C23, C24)	2	0.7	-	1.1
PANCREAS	(C25)	3	4.0	3	3.9
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	2	1.1	1	1.3
LARYNX	(C32)	2	4.0	1	0.9
BRONCHUS AND LUNG	(C34)	33	40.7	31	18.5
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	1.0	-	0.4
BONE	(C40, C41)	-	0.2	-	0.2
SOFT TISSUE	(C38.0, C49)	-	0.9	-	0.7
MELANOMA OF THE SKIN	(8720-8790)*	15	4.8	10	3.5
BREAST	(C50)	-	0.4	57	54.1
CERVIX UTERI	(C53)	-	-	5	4.3
CORPUS UTERI	(C54-C55)	-	-	11	9.2
Ovary	(C56)	-	-	6	6.3
PROSTATE	(C61)	-	-	-	-
TESTES	(C62)	108	67.3	-	-
BLADDER	(C67)	10	11.7	-	-
KIDNEY	(C64, C65)	5	5.0	7	3.8
ENDOCRINE	(C37, C73-C75)	1	0.9	1	3.2
LYMPHOMA	(9590-9714, 9750)*	7	6.5	-	1.8
LEUKEMIA	(9800-9941, 9951)*	4	3.8	4	5.9
BRAIN AND CNS	(C70-C72)	1	2.5	-	3.0
ALL CANCERS	(C00-C80)	234	203.9	175	164.9

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
NASH COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	9	5.0	5	2.9
ESOPHAGUS	(C15)	2	2.6	2	0.9
STOMACH	(C16)	4	3.0	1	2.2
COLON AND RECTUM	(C18-C20, C26.0)	16	18.3	33	20.1
LIVER	(C22)	-	1.0	-	0.6
GALLBLADDER, BILIARY	(C23, C24)	-	0.5	3	1.0
PANCREAS	(C25)	9	3.2	4	3.5
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	2	1.0	-	1.3
LARYNX	(C32)	6	3.4	2	0.9
BRONCHUS AND LUNG	(C34)	45	32.6	19	16.9
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	2	0.9	-	0.3
BONE	(C40, C41)	-	0.2	-	0.3
SOFT TISSUE	(C38.0, C49)	-	0.8	1	0.7
MELANOMA OF THE SKIN	(8720-8790)*	6	4.7	2	3.9
BREAST	(C50)	-	0.3	63	54.4
CERVIX UTERI	(C53)	-	-	6	4.9
CORPUS UTERI	(C54-C55)	-	-	12	8.7
OVARY	(C56)	-	-	6	6.3
PROSTATE	(C61)	58	48.4	-	-
TESTES	(C62)	2	1.4	-	-
BLADDER	(C67)	8	9.1	5	3.4
KIDNEY	(C64, C65)	6	4.4	4	3.0
ENDOCRINE	(C37, C73-C75)	2	1.0	2	2.2
LYMPHOMA	(9590-9714, 9750)*	10	6.0	5	5.8
LEUKEMIA	(9800-9941, 9951)*	6	3.4	1	3.0
BRAIN AND CNS	(C70-C72)	3	2.5	3	2.3
ALL CANCERS	(C00-C80)	206	162.8	189	160.4

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
NEW HANOVER COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	5	8.4	8	4.8
ESOPHAGUS	(C15)	10	4.3	-	1.4
STOMACH	(C16)	5	5.0	6	3.5
COLON AND RECTUM	(C18-C20, C26.0)	30	30.8	33	32.6
LIVER	(C22)	4	1.7	2	0.9
GALLBLADDER, BILIARY	(C23, C24)	1	0.9	-	1.6
PANCREAS	(C25)	6	5.4	6	5.6
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	1.6	-	2.1
LARYNX	(C32)	7	5.7	1	1.5
BRONCHUS AND LUNG	(C34)	56	55.1	32	27.4
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	2	1.5	-	0.5
BONE	(C40, C41)	1	0.4	1	0.4
SOFT TISSUE	(C38.0, C49)	3	1.4	1	1.2
MELANOMA OF THE SKIN	(8720-8790)*	7	7.7	8	6.3
BREAST	(C50)	1	0.5	71	88.3
CERVIX UTERI	(C53)	-	-	8	8.0
CORPUS UTERI	(C54-C55)	-	-	13	14.0
OVARY	(C56)	-	-	13	10.2
PROSTATE	(C61)	56	82.4	-	-
TESTES	(C62)	1	2.3	-	-
BLADDER	(C67)	18	15.4	4	5.6
KIDNEY	(C64, C65)	8	7.3	6	4.9
ENDOCRINE	(C37, C73-C75)	2	1.6	7	3.5
LYMPHOMA	(9590-9714, 9750)*	5	10.1	6	9.5
LEUKEMIA	(9800-9941, 9951)*	3	5.6	3	4.8
BRAIN AND CNS	(C70-C72)	5	4.1	6	3.6
ALL CANCERS	(C00-C80)	257	274.4	261	259.8

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
NORTHAMPTON COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	2	1.6	-	0.9
ESOPHAGUS	(C15)	1	0.9	-	0.3
STOMACH	(C16)	3	1.0	-	0.7
COLON AND RECTUM	(C18-C20, C26.0)	8	6.4	9	6.6
LIVER	(C22)	-	0.3	-	0.2
GALLBLADDER, BILIARY	(C23, C24)	-	0.2	-	0.3
PANCREAS	(C25)	-	1.1	1	1.2
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.3	-	0.4
LARYNX	(C32)	-	1.1	-	0.3
BRONCHUS AND LUNG	(C34)	10	11.2	1	5.5
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	0.3	-	0.1
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.3	1	0.2
MELANOMA OF THE SKIN	(8720-8790)*	-	1.4	14	1.1
BREAST	(C50)	-	0.1	-	16.6
CERVIX UTERI	(C53)	-	-	1	1.4
CORPUS UTERI	(C54-C55)	-	-	2	2.8
OVARY	(C56)	-	-	-	1.9
PROSTATE	(C61)	24	17.8	-	-
TESTES	(C62)	-	0.3	-	-
BLADDER	(C67)	3	3.2	1	1.1
KIDNEY	(C64, C65)	-	1.4	-	1.0
ENDOCRINE	(C37, C73-C75)	-	0.3	-	0.6
LYMPHOMA	(9590-9714, 9750)*	-	1.9	1	1.8
LEUKEMIA	(9800-9941, 9951)*	-	1.1	-	0.9
BRAIN AND CNS	(C70-C72)	1	0.8	-	0.7
ALL CANCERS	(C00-C80)	53	56.2	32	50.1

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
 ONSLOW COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	5	5.1	4	2.4
ESOPHAGUS	(C15)	2	2.3	-	0.7
STOMACH	(C16)	2	2.6	2	1.6
COLON AND RECTUM	(C18-C20, C26.0)	16	15.4	14	14.8
LIVER	(C22)	1	0.9	-	0.5
GALLBLADDER, BILIARY	(C23, C24)	-	0.4	1	0.7
PANCREAS	(C25)	2	2.7	1	2.5
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	1	1.1	4	1.0
LARYNX	(C32)	5	3.0	-	0.8
BRONCHUS AND LUNG	(C34)	36	27.4	26	13.2
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	1.0	1	0.3
BONE	(C40, C41)	-	0.4	-	0.3
SOFT TISSUE	(C38.0, C49)	1	1.2	-	0.7
MELANOMA OF THE SKIN	(8720-8790)*	7	5.4	5	3.8
BREAST	(C50)	-	0.3	44	45.6
CERVIX UTERI	(C53)	-	-	3	5.1
CORPUS UTERI	(C54-C55)	-	-	3	6.9
OVARY	(C56)	-	-	10	5.5
PROSTATE	(C61)	40	36.4	-	-
TESTES	(C62)	5	3.9	-	-
BLADDER	(C67)	5	7.6	5	2.5
KIDNEY	(C64, C65)	1	4.0	2	2.5
ENDOCRINE	(C37, C73-C75)	3	1.6	2	2.5
LYMPHOMA	(9590-9714, 9750)*	3	8.4	9	5.4
LEUKEMIA	(9800-9941, 9951)*	3	4.1	2	2.9
BRAIN AND CNS	(C70-C72)	1	3.6	4	2.4
ALL CANCERS	(C00-C80)	149	147.4	154	133.6

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
ORANGE COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	4	5.0	2	2.8
ESOPHAGUS	(C15)	-	2.4	2	0.8
STOMACH	(C16)	1	2.9	1	2.0
COLON AND RECTUM	(C18-C20, C26.0)	17	17.5	14	18.1
LIVER	(C22)	-	1.0	-	0.5
GALLBLADDER, BILIARY	(C23, C24)	1	0.5	-	0.9
PANCREAS	(C25)	3	3.1	2	3.1
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	1.0	-	1.2
LARYNX	(C32)	3	3.3	2	0.9
BRONCHUS AND LUNG	(C34)	31	30.5	15	15.0
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.9	1	0.3
BONE	(C40, C41)	-	0.3	1	0.3
SOFT TISSUE	(C38.0, C49)	1	0.9	-	0.8
MELANOMA OF THE SKIN	(8720-8790)*	6	4.9	6	4.1
BREAST	(C50)	-	0.3	63	51.8
CERVIX UTERI	(C53)	-	-	2	5.3
CORPUS UTERI	(C54-C55)	-	-	17	7.9
OVARY	(C56)	-	-	8	6.1
PROSTATE	(C61)	59	45.0	-	-
TESTES	(C62)	10	2.0	-	-
BLADDER	(C67)	5	8.7	5	3.1
KIDNEY	(C64, C65)	1	4.2	2	2.8
ENDOCRINE	(C37, C73-C75)	1	1.1	2	2.5
LYMPHOMA	(9590-9714, 9750)*	5	6.5	9	6.0
LEUKEMIA	(9800-9941, 9951)*	6	3.5	3	2.9
BRAIN AND CNS	(C70-C72)	4	2.7	1	2.3
ALL CANCERS	(C00-C80)	173	157.2	171	151.9

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
PAMLICO COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	2	1.0	-	0.5
ESOPHAGUS	(C15)	-	0.5	-	0.2
STOMACH	(C16)	1	0.6	-	0.4
COLON AND RECTUM	(C18-C20, C26.0)	-	3.8	3	3.7
LIVER	(C22)	-	0.2	-	0.1
GALLBLADDER, BILIARY	(C23, C24)	-	0.1	1	0.2
PANCREAS	(C25)	1	0.7	-	0.7
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.2	-	0.2
LARYNX	(C32)	-	0.7	-	0.2
BRONCHUS AND LUNG	(C34)	12	6.8	3	3.1
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.2	-	0.1
BONE	(C40, C41)	-	-	-	-
SOFT TISSUE	(C38.0, C49)	-	0.2	-	0.1
MELANOMA OF THE SKIN	(8720-8790)*	-	0.9	-	0.6
BREAST	(C50)	-	0.1	9	9.5
CERVIX UTERI	(C53)	-	-	-	0.8
CORPUS UTERI	(C54-C55)	-	-	1	1.6
OVARY	(C56)	-	-	1	1.1
PROSTATE	(C61)	9	10.6	-	-
TESTES	(C62)	1	0.2	-	-
BLADDER	(C67)	3	1.9	-	0.6
KIDNEY	(C64, C65)	1	0.9	-	0.5
ENDOCRINE	(C37, C73-C75)	1	0.2	-	0.3
LYMPHOMA	(9590-9714, 9750)*	1	1.1	-	1.0
LEUKEMIA	(9800-9941, 9951)*	1	0.6	1	0.5
BRAIN AND CNS	(C70-C72)	1	0.4	-	0.4
ALL CANCERS	(C00-C80)	37	33.7	19	28.3

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
PASQUOTANK COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	-	2.0	-	1.2
ESOPHAGUS	(C15)	-	1.1	-	0.4
STOMACH	(C16)	1	1.3	1	0.9
COLON AND RECTUM	(C18-C20, C26.0)	13	7.9	1	8.6
LIVER	(C22)	-	0.4	1	0.2
GALLBLADDER, BILIARY	(C23, C24)	-	0.2	-	0.4
PANCREAS	(C25)	1	1.4	-	1.5
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.4	-	0.5
LARYNX	(C32)	-	1.4	-	0.4
BRONCHUS AND LUNG	(C34)	7	13.8	4	6.9
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.4	-	0.1
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.4	1	0.3
MELANOMA OF THE SKIN	(8720-8790)*	2	1.9	1	1.5
BREAST	(C50)	-	0.1	22	21.7
CERVIX UTERI	(C53)	-	-	-	1.9
CORPUS UTERI	(C54-C55)	-	-	3	3.5
OVARY	(C56)	-	-	-	2.6
PROSTATE	(C61)	32	21.7	-	-
TESTES	(C62)	-	0.5	-	-
BLADDER	(C67)	2	4.0	1	1.5
KIDNEY	(C64, C65)	-	1.8	1	1.2
ENDOCRINE	(C37, C73-C75)	-	0.4	-	0.8
LYMPHOMA	(9590-9714, 9750)*	2	2.5	2	2.4
LEUKEMIA	(9800-9941, 9951)*	2	1.4	-	1.3
BRAIN AND CNS	(C70-C72)	1	1.0	-	0.9
ALL CANCERS	(C00-C80)	66	69.9	39	65.4

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
PENDER COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	1	2.3	-	1.2
ESOPHAGUS	(C15)	-	1.2	1	0.4
STOMACH	(C16)	2	1.4	2	0.9
COLON AND RECTUM	(C18-C20, C26.0)	6	8.7	10	8.4
LIVER	(C22)	1	0.5	-	0.2
GALLBLADDER, BILIARY	(C23, C24)	-	0.2	1	0.4
PANCREAS	(C25)	2	1.5	-	1.5
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.5	-	0.5
LARYNX	(C32)	3	1.6	-	0.4
BRONCHUS AND LUNG	(C34)	15	15.8	7	7.2
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.4	-	0.1
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	1	0.4	-	0.3
MELANOMA OF THE SKIN	(8720-8790)*	-	2.1	3	1.6
BREAST	(C50)	-	0.1	14	22.6
CERVIX UTERI	(C53)	-	-	1	2.0
CORPUS UTERI	(C54-C55)	-	-	7	3.7
OVARY	(C56)	-	-	1	2.6
PROSTATE	(C61)	9	23.5	-	-
TESTES	(C62)	-	0.5	-	-
BLADDER	(C67)	3	4.3	-	1.4
KIDNEY	(C64, C65)	2	2.1	1	1.3
ENDOCRINE	(C37, C73-C75)	1	0.4	-	0.8
LYMPHOMA	(9590-9714, 9750)*	1	2.7	1	2.4
LEUKEMIA	(9800-9941, 9951)*	-	1.5	4	1.2
BRAIN AND CNS	(C70-C72)	-	1.1	2	0.9
ALL CANCERS	(C00-C80)	50	77.1	61	66.6

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
PERQUIMANS COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	1	0.9	-	0.5
ESOPHAGUS	(C15)	-	0.5	-	0.2
STOMACH	(C16)	-	0.6	-	0.4
COLON AND RECTUM	(C18-C20, C26.0)	1	3.7	1	3.4
LIVER	(C22)	-	0.2	-	0.1
GALLBLADDER, BILIARY	(C23, C24)	-	0.1	-	0.2
PANCREAS	(C25)	1	0.6	-	0.6
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.2	1	0.2
LARYNX	(C32)	-	0.6	-	0.1
BRONCHUS AND LUNG	(C34)	-	6.4	1	2.8
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	6	0.2	-	0.1
BONE	(C40, C41)	-	-	-	-
SOFT TISSUE	(C38.0, C49)	-	0.1	-	0.1
MELANOMA OF THE SKIN	(8720-8790)*	-	0.8	-	0.6
BREAST	(C50)	-	0.1	-	8.6
CERVIX UTERI	(C53)	-	-	5	0.7
CORPUS UTERI	(C54-C55)	-	-	-	1.4
OVARY	(C56)	-	-	1	1.0
PROSTATE	(C61)	10	10.4	-	-
TESTES	(C62)	1	0.2	-	-
BLADDER	(C67)	1	1.9	-	0.6
KIDNEY	(C64, C65)	-	0.8	1	0.5
ENDOCRINE	(C37, C73-C75)	-	0.2	-	0.3
LYMPHOMA	(9590-9714, 9750)*	-	1.0	2	0.9
LEUKEMIA	(9800-9941, 9951)*	-	0.6	1	0.5
BRAIN AND CNS	(C70-C72)	-	0.4	-	0.3
ALL CANCERS	(C00-C80)	22	32.2	14	25.9

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
PERSON COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	4	2.1	-	1.3
ESOPHAGUS	(C15)	2	1.1	-	0.4
STOMACH	(C16)	1	1.3	-	1.0
COLON AND RECTUM	(C18-C20, C26.0)	7	8.0	7	8.8
LIVER	(C22)	-	0.4	-	0.2
GALLBLADDER, BILIARY	(C23, C24)	-	0.2	1	0.4
PANCREAS	(C25)	2	1.4	2	1.5
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.4	-	0.5
LARYNX	(C32)	2	1.5	-	0.4
BRONCHUS AND LUNG	(C34)	21	14.2	11	7.2
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	0.4	2	0.1
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.4	2	0.3
MELANOMA OF THE SKIN	(8720-8790)*	3	2.0	1	1.6
BREAST	(C50)	-	0.1	29	22.6
CERVIX UTERI	(C53)	-	-	2	2.0
CORPUS UTERI	(C54-C55)	-	-	3	3.7
OVARY	(C56)	-	-	4	2.6
PROSTATE	(C61)	31	21.6	-	-
TESTES	(C62)	-	0.5	-	-
BLADDER	(C67)	2	4.0	3	1.5
KIDNEY	(C64, C65)	4	1.9	3	1.3
ENDOCRINE	(C37, C73-C75)	-	0.4	-	0.8
LYMPHOMA	(9590-9714, 9750)*	5	2.5	3	2.5
LEUKEMIA	(9800-9941, 9951)*	2	1.4	2	1.2
BRAIN AND CNS	(C70-C72)	2	1.0	1	0.9
ALL CANCERS	(C00-C80)	91	70.8	87	67.5

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
PITT COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	4	5.8	-	3.5
ESOPHAGUS	(C15)	5	2.9	-	1.0
STOMACH	(C16)	4	3.3	2	2.5
COLON AND RECTUM	(C18-C20, C26.0)	16	20.5	24	23.3
LIVER	(C22)	2	1.2	1	0.7
GALLBLADDER, BILIARY	(C23, C24)	-	0.6	-	1.1
PANCREAS	(C25)	4	3.6	6	4.0
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	1.2	2	1.5
LARYNX	(C32)	-	3.9	1	1.1
BRONCHUS AND LUNG	(C34)	36	36.4	12	19.5
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	1.0	-	0.4
BONE	(C40, C41)	-	0.3	-	0.4
SOFT TISSUE	(C38.0, C49)	-	1.1	1	0.9
MELANOMA OF THE SKIN	(8720-8790)*	6	5.5	3	4.8
BREAST	(C50)	2	0.4	54	64.0
CERVIX UTERI	(C53)	-	-	3	6.2
CORPUS UTERI	(C54-C55)	-	-	15	10.1
OVARY	(C56)	-	-	5	7.5
PROSTATE	(C61)	50	53.0	-	-
TESTES	(C62)	-	2.1	-	-
BLADDER	(C67)	7	10.2	2	4.0
KIDNEY	(C64, C65)	4	5.0	5	3.5
ENDOCRINE	(C37, C73-C75)	2	1.3	4	2.8
LYMPHOMA	(9590-9714, 9750)*	4	7.4	1	7.3
LEUKEMIA	(9800-9941, 9951)*	7	4.1	5	3.7
BRAIN AND CNS	(C70-C72)	1	3.1	3	2.8
ALL CANCERS	(C00-C80)	166	184.3	157	189.6

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
POLK COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	-	1.5	-	0.9
ESOPHAGUS	(C15)	-	0.8	-	0.3
STOMACH	(C16)	-	1.0	-	0.7
COLON AND RECTUM	(C18-C20, C26.0)	2	6.4	2	6.6
LIVER	(C22)	-	0.3	-	0.2
GALLBLADDER, BILIARY	(C23, C24)	-	0.2	1	0.3
PANCREAS	(C25)	1	1.1	2	1.2
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.3	-	0.4
LARYNX	(C32)	1	1.1	-	0.3
BRONCHUS AND LUNG	(C34)	4	10.9	5	5.1
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.3	1	0.1
BONE	(C40, C41)	-	-	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.2	-	0.2
MELANOMA OF THE SKIN	(8720-8790)*	3	1.3	1	1.0
BREAST	(C50)	-	0.1	11	15.0
CERVIX UTERI	(C53)	-	-	1	1.2
CORPUS UTERI	(C54-C55)	-	-	4	2.6
OVARY	(C56)	-	-	2	1.8
PROSTATE	(C61)	15	18.6	-	-
TESTES	(C62)	1	0.2	-	-
BLADDER	(C67)	2	3.3	1	1.2
KIDNEY	(C64, C65)	1	1.4	-	0.9
ENDOCRINE	(C37, C73-C75)	-	0.2	-	0.5
LYMPHOMA	(9590-9714, 9750)*	1	1.7	1	1.7
LEUKEMIA	(9800-9941, 9951)*	1	1.0	1	0.8
BRAIN AND CNS	(C70-C72)	-	0.6	1	0.6
ALL CANCERS	(C00-C80)	35	55.5	35	47.0

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
RANDOLPH COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	4	7.4	-	4.0
ESOPHAGUS	(C15)	5	3.8	-	1.2
STOMACH	(C16)	2	4.4	2	2.9
COLON AND RECTUM	(C18-C20, C26.0)	22	27.0	24	27.0
LIVER	(C22)	1	1.5	1	0.8
GALLBLADDER, BILIARY	(C23, C24)	1	0.8	-	1.3
PANCREAS	(C25)	4	4.7	2	4.6
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	5	1.4	-	1.7
LARYNX	(C32)	2	5.0	2	1.3
BRONCHUS AND LUNG	(C34)	47	47.8	16	22.8
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	1.3	-	0.5
BONE	(C40, C41)	-	0.3	-	0.4
SOFT TISSUE	(C38.0, C49)	1	1.2	3	1.0
MELANOMA OF THE SKIN	(8720-8790)*	9	6.8	8	5.2
BREAST	(C50)	-	0.5	67	73.9
CERVIX UTERI	(C53)	-	-	8	6.7
CORPUS UTERI	(C54-C55)	-	-	11	11.7
OVARY	(C56)	-	-	13	8.5
PROSTATE	(C61)	85	70.9	-	-
TESTES	(C62)	2	2.0	-	-
BLADDER	(C67)	16	13.5	5	4.6
KIDNEY	(C64, C65)	7	6.4	9	4.1
ENDOCRINE	(C37, C73-C75)	-	1.4	3	2.9
LYMPHOMA	(9590-9714, 9750)*	11	8.8	5	7.8
LEUKEMIA	(9800-9941, 9951)*	4	4.9	4	4.0
BRAIN AND CNS	(C70-C72)	4	3.6	-	3.0
ALL CANCERS	(C00-C80)	241	238.8	196	216.5

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
RICHMOND COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	5	3.1	-	1.8
ESOPHAGUS	(C15)	3	1.6	1	0.6
STOMACH	(C16)	-	1.9	1	1.4
COLON AND RECTUM	(C18-C20, C26.0)	8	11.7	9	12.6
LIVER	(C22)	1	0.6	-	0.4
GALLBLADDER, BILIARY	(C23, C24)	-	0.3	1	0.6
PANCREAS	(C25)	2	2.1	1	2.2
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	1	0.6	-	0.8
LARYNX	(C32)	4	2.1	-	0.6
BRONCHUS AND LUNG	(C34)	18	20.8	12	10.5
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.5	-	0.2
BONE	(C40, C41)	-	0.1	-	0.2
SOFT TISSUE	(C38.0, C49)	-	0.5	-	0.4
MELANOMA OF THE SKIN	(8720-8790)*	10	2.8	2	2.3
BREAST	(C50)	-	0.2	23	32.8
CERVIX UTERI	(C53)	-	-	7	2.8
CORPUS UTERI	(C54-C55)	-	-	4	5.3
OVARY	(C56)	-	-	4	3.8
PROSTATE	(C61)	39	31.9	-	-
TESTES	(C62)	3	0.8	-	-
BLADDER	(C67)	5	5.9	1	2.1
KIDNEY	(C64, C65)	1	2.7	2	1.9
ENDOCRINE	(C37, C73-C75)	-	0.6	-	1.2
LYMPHOMA	(9590-9714, 9750)*	7	3.7	4	3.5
LEUKEMIA	(9800-9941, 9951)*	1	2.1	1	1.8
BRAIN AND CNS	(C70-C72)	-	1.5	1	1.4
ALL CANCERS	(C00-C80)	110	103.8	81	97.8

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
ROBESON COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	9	5.9	3	3.5
ESOPHAGUS	(C15)	2	3.0	2	1.1
STOMACH	(C16)	2	3.4	3	2.6
COLON AND RECTUM	(C18-C20, C26.0)	15	21.1	21	23.9
LIVER	(C22)	1	1.2	-	0.7
GALLBLADDER, BILIARY	(C23, C24)	-	0.6	2	1.1
PANCREAS	(C25)	1	3.7	3	4.1
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	1	1.2	1	1.5
LARYNX	(C32)	3	4.0	1	1.1
BRONCHUS AND LUNG	(C34)	49	37.7	18	20.2
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	1.0	-	0.4
BONE	(C40, C41)	-	0.3	-	0.4
SOFT TISSUE	(C38.0, C49)	3	1.0	-	0.9
MELANOMA OF THE SKIN	(8720-8790)*	-	5.5	2	4.7
BREAST	(C50)	-	0.4	49	65.6
CERVIX UTERI	(C53)	-	-	11	6.0
CORPUS UTERI	(C54-C55)	-	-	11	10.4
OVARY	(C56)	-	-	10	7.6
PROSTATE	(C61)	47	55.2	-	-
TESTES	(C62)	4	1.8	-	-
BLADDER	(C67)	4	10.5	1	4.1
KIDNEY	(C64, C65)	6	5.1	2	3.7
ENDOCRINE	(C37, C73-C75)	1	1.2	2	2.7
LYMPHOMA	(9590-9714, 9750)*	5	7.2	5	7.1
LEUKEMIA	(9800-9941, 9951)*	4	4.2	3	3.7
BRAIN AND CNS	(C70-C72)	4	3.1	3	2.9
ALL CANCERS	(C00-C80)	174	188.9	167	193.1

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
ROCKINGHAM COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	8	6.1	5	3.6
ESOPHAGUS	(C15)	2	3.2	2	1.1
STOMACH	(C16)	3	3.7	3	2.7
COLON AND RECTUM	(C18-C20, C26.0)	15	23.0	33	25.0
LIVER	(C22)	3	1.3	3	0.7
GALLBLADDER, BILIARY	(C23, C24)	1	0.7	1	1.2
PANCREAS	(C25)	5	4.0	2	4.3
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	1	1.2	4	1.5
LARYNX	(C32)	7	4.2	4	1.1
BRONCHUS AND LUNG	(C34)	50	40.6	24	20.6
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	3	1.1	-	0.4
BONE	(C40, C41)	-	0.3	-	0.3
SOFT TISSUE	(C38.0, C49)	-	1.0	2	0.9
MELANOMA OF THE SKIN	(8720-8790)*	5	5.6	3	4.5
BREAST	(C50)	-	0.4	57	64.9
CERVIX UTERI	(C53)	-	-	7	5.6
CORPUS UTERI	(C54-C55)	-	-	17	10.5
OVARY	(C56)	-	-	7	7.5
PROSTATE	(C61)	49	62.1	-	-
TESTES	(C62)	1	1.5	-	-
BLADDER	(C67)	14	11.5	8	4.3
KIDNEY	(C64, C65)	5	5.4	1	3.7
ENDOCRINE	(C37, C73-C75)	-	1.1	-	2.4
LYMPHOMA	(9590-9714, 9750)*	6	7.2	4	7.0
LEUKEMIA	(9800-9941, 9951)*	6	4.1	6	3.5
BRAIN AND CNS	(C70-C72)	2	2.9	-	2.6
ALL CANCERS	(C00-C80)	196	203.5	213	193.1

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
ROMAN COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	6	8.2	-	4.7
ESOPHAGUS	(C15)	3	4.3	-	1.4
STOMACH	(C16)	4	5.1	2	3.6
COLON AND RECTUM	(C18-C20, C26.0)	32	32.0	36	33.0
LIVER	(C22)	1	1.7	1	0.9
GALLBLADDER, BILIARY	(C23, C24)	3	1.0	2	1.6
PANCREAS	(C25)	6	5.6	5	5.7
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	2	1.6	2	2.0
LARYNX	(C32)	2	5.7	-	1.4
BRONCHUS AND LUNG	(C34)	39	55.7	22	26.7
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	1.4	-	0.5
BONE	(C40, C41)	-	0.3	-	0.4
SOFT TISSUE	(C38.0, C49)	3	1.4	-	1.1
MELANOMA OF THE SKIN	(8720-8790)*	7	7.5	8	5.7
BREAST	(C50)	1	0.6	73	83.0
CERVIX UTERI	(C53)	-	-	9	7.1
CORPUS UTERI	(C54-C55)	-	-	11	13.6
OVARY	(C56)	-	-	8	9.7
PROSTATE	(C61)	45	87.6	-	-
TESTES	(C62)	4	2.0	-	-
BLADDER	(C67)	17	16.1	3	5.7
KIDNEY	(C64, C65)	7	7.3	3	4.8
ENDOCRINE	(C37, C73-C75)	2	1.5	3	3.0
LYMPHOMA	(9590-9714, 9750)*	8	9.8	8	9.1
LEUKEMIA	(9800-9941, 9951)*	8	5.6	5	4.6
BRAIN AND CNS	(C70-C72)	1	3.9	4	3.4
ALL CANCERS	(C00-C80)	215	281.4	224	249.9

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
RUTHERFORD COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	2	4.3	2	2.5
ESOPHAGUS	(C15)	5	2.2	-	0.8
STOMACH	(C16)	3	2.7	1	1.9
COLON AND RECTUM	(C18-C20, C26.0)	13	16.6	16	17.5
LIVER	(C22)	-	0.9	-	0.5
GALLBLADDER, BILIARY	(C23, C24)	1	0.5	-	0.9
PANCREAS	(C25)	3	2.9	1	3.1
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.8	1	1.1
LARYNX	(C32)	1	3.0	-	0.7
BRONCHUS AND LUNG	(C34)	33	29.0	11	14.2
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.7	-	0.3
BONE	(C40, C41)	-	0.2	-	0.2
SOFT TISSUE	(C38.0, C49)	1	0.7	-	0.6
MELANOMA OF THE SKIN	(8720-8790)*	3	3.8	3	3.0
BREAST	(C50)	-	0.3	59	44.0
CERVIX UTERI	(C53)	-	-	3	3.7
CORPUS UTERI	(C54-C55)	-	-	6	7.2
OVARY	(C56)	-	-	9	5.1
PROSTATE	(C61)	89	45.4	-	-
TESTES	(C62)	-	1.0	-	-
BLADDER	(C67)	6	8.3	2	3.0
KIDNEY	(C64, C65)	1	3.8	-	2.5
ENDOCRINE	(C37, C73-C75)	2	0.8	1	1.6
LYMPHOMA	(9590-9714, 9750)*	6	5.1	7	4.8
LEUKEMIA	(9800-9941, 9951)*	4	2.9	4	2.4
BRAIN AND CNS	(C70-C72)	2	2.0	-	1.8
ALL CANCERS	(C00-C80)	183	145.9	137	132.5

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
SAMPSON COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	6	3.4	1	2.0
ESOPHAGUS	(C15)	1	1.8	1	0.6
STOMACH	(C16)	2	2.1	-	1.5
COLON AND RECTUM	(C18-C20, C26.0)	8	12.9	15	13.8
LIVER	(C22)	-	0.7	1	0.4
GALLBLADDER, BILIARY	(C23, C24)	-	0.4	1	0.7
PANCREAS	(C25)	3	2.3	-	2.4
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.7	-	0.8
LARYNX	(C32)	2	2.3	-	0.6
BRONCHUS AND LUNG	(C34)	22	22.7	11	11.4
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.6	-	0.2
BONE	(C40, C41)	-	0.1	2	0.2
SOFT TISSUE	(C38.0, C49)	-	0.6	-	0.5
MELANOMA OF THE SKIN	(8720-8790)*	1	3.1	2	2.4
BREAST	(C50)	-	0.2	34	35.6
CERVIX UTERI	(C53)	-	-	3	3.1
CORPUS UTERI	(C54-C55)	-	-	10	5.8
OVARY	(C56)	-	-	4	4.1
PROSTATE	(C61)	20	34.9	-	-
TESTES	(C62)	1	0.8	-	-
BLADDER	(C67)	2	6.5	1	2.4
KIDNEY	(C64, C65)	1	3.0	3	2.0
ENDOCRINE	(C37, C73-C75)	-	0.6	2	1.3
LYMPHOMA	(9590-9714, 9750)*	5	4.0	2	3.8
LEUKEMIA	(9800-9941, 9951)*	2	2.3	2	2.0
BRAIN AND CNS	(C70-C72)	2	1.6	2	1.5
ALL CANCERS	(C00-C80)	83	113.9	103	106.4

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
SCOTLAND COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	3	1.9	3	1.2
ESOPHAGUS	(C15)	-	1.0	-	0.4
STOMACH	(C16)	1	1.1	2	0.9
COLON AND RECTUM	(C18-C20, C26.0)	3	6.8	8	8.1
LIVER	(C22)	2	0.4	-	0.2
GALLBLADDER, BILIARY	(C23, C24)	1	0.2	1	0.4
PANCREAS	(C25)	-	1.2	1	1.4
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	1	0.4	1	0.5
LARYNX	(C32)	3	1.3	1	0.4
BRONCHUS AND LUNG	(C34)	11	12.1	6	6.9
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.3	-	0.1
BONE	(C40, C41)	1	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.3	2	0.3
MELANOMA OF THE SKIN	(8720-8790)*	-	1.8	3	1.6
BREAST	(C50)	-	0.1	17	22.3
CERVIX UTERI	(C53)	-	-	4	2.0
CORPUS UTERI	(C54-C55)	-	-	4	3.5
OVARY	(C56)	-	-	2	2.6
PROSTATE	(C61)	10	17.8	-	-
TESTES	(C62)	1	0.6	-	-
BLADDER	(C67)	2	3.4	2	1.4
KIDNEY	(C64, C65)	1	1.7	2	1.2
ENDOCRINE	(C37, C73-C75)	-	0.4	-	0.9
LYMPHOMA	(9590-9714, 9750)*	1	2.3	1	2.4
LEUKEMIA	(9800-9941, 9951)*	1	1.3	-	1.2
BRAIN AND CNS	(C70-C72)	1	1.0	1	1.0
ALL CANCERS	(C00-C80)	47	60.9	65	65.4

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
STANLEY COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	1	3.7	1	2.2
ESOPHAGUS	(C15)	-	2.0	1	0.7
STOMACH	(C16)	-	2.3	3	1.6
COLON AND RECTUM	(C18-C20, C26.0)	19	14.3	8	15.2
LIVER	(C22)	3	0.8	1	0.4
GALLBLADDER, BILIARY	(C23, C24)	-	0.4	4	0.7
PANCREAS	(C25)	4	2.5	6	2.6
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.7	3	0.9
LARYNX	(C32)	1	2.6	1	0.7
BRONCHUS AND LUNG	(C34)	25	25.2	12	12.5
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.7	-	0.2
BONE	(C40, C41)	-	0.2	-	0.2
SOFT TISSUE	(C38.0, C49)	-	0.6	-	0.5
MELANOMA OF THE SKIN	(8720-8790)*	1	3.4	-	2.7
BREAST	(C50)	1	0.2	35	38.8
CERVIX UTERI	(C53)	-	-	6	3.3
CORPUS UTERI	(C54-C55)	-	-	6	6.3
OVARY	(C56)	-	-	4	4.5
PROSTATE	(C61)	36	38.9	-	-
TESTES	(C62)	1	0.9	-	-
BLADDER	(C67)	4	7.2	2	2.6
KIDNEY	(C64, C65)	4	3.3	4	2.2
ENDOCRINE	(C37, C73-C75)	-	0.7	-	1.4
LYMPHOMA	(9590-9714, 9750)*	9	4.5	4	4.2
LEUKEMIA	(9800-9941, 9951)*	1	2.5	1	2.1
BRAIN AND CNS	(C70-C72)	2	1.8	-	1.6
ALL CANCERS	(C00-C80)	121	126.4	110	116.1

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
STOKES COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	1	2.5	2	1.3
ESOPHAGUS	(C15)	-	1.3	-	0.4
STOMACH	(C16)	2	1.5	-	1.0
COLON AND RECTUM	(C18-C20, C26.0)	8	9.1	8	9.2
LIVER	(C22)	1	0.5	-	0.3
GALLBLADDER, BILIARY	(C23, C24)	-	0.3	-	0.4
PANCREAS	(C25)	1	1.6	2	1.6
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.5	-	0.6
LARYNX	(C32)	1	1.7	-	0.4
BRONCHUS AND LUNG	(C34)	22	16.1	13	7.7
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	0.4	-	0.2
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.4	-	0.3
MELANOMA OF THE SKIN	(8720-8790)*	4	2.4	1	1.8
BREAST	(C50)	-	0.2	22	25.4
CERVIX UTERI	(C53)	-	-	3	2.3
CORPUS UTERI	(C54-C55)	-	-	7	4.0
OVARY	(C56)	-	-	6	2.9
PROSTATE	(C61)	33	23.5	-	-
TESTES	(C62)	-	0.7	-	-
BLADDER	(C67)	8	4.5	-	1.6
KIDNEY	(C64, C65)	4	2.2	2	1.4
ENDOCRINE	(C37, C73-C75)	-	0.5	1	1.0
LYMPHOMA	(9590-9714, 9750)*	2	3.0	1	2.7
LEUKEMIA	(9800-9941, 9951)*	1	1.7	1	1.3
BRAIN AND CNS	(C70-C72)	-	1.2	2	1.0
ALL CANCERS	(C00-C80)	93	80.5	79	73.9

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
SURREY COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	4	4.6	2	2.7
ESOPHAGUS	(C15)	1	2.4	1	0.8
STOMACH	(C16)	3	2.8	2	2.1
COLON AND RECTUM	(C18-C20, C26.0)	12	17.3	19	19.1
LIVER	(C22)	-	1.0	-	0.5
GALLBLADDER, BILIARY	(C23, C24)	-	0.5	1	0.9
PANCREAS	(C25)	2	3.0	4	3.3
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.9	1	1.2
LARYNX	(C32)	4	3.2	-	0.8
BRONCHUS AND LUNG	(C34)	33	30.6	23	15.6
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	0.8	-	0.3
BONE	(C40, C41)	1	0.2	1	0.2
SOFT TISSUE	(C38.0, C49)	-	0.7	-	0.7
MELANOMA OF THE SKIN	(C8720-8790)*	9	4.2	5	3.3
BREAST	(C50)	1	0.3	62	48.9
CERVIX UTERI	(C53)	-	-	6	4.1
CORPUS UTERI	(C54-C55)	-	-	10	8.0
OVARY	(C56)	-	-	6	5.7
PROSTATE	(C61)	48	46.3	-	-
TESTES	(C62)	1	1.1	-	-
BLADDER	(C67)	7	8.6	3	3.3
KIDNEY	(C64, C65)	4	4.0	3	2.8
ENDOCRINE	(C37, C73-C75)	1	0.8	3	1.8
LYMPHOMA	(9590-9714, 9750)*	5	5.4	4	5.3
LEUKEMIA	(9800-9941, 9951)*	7	3.0	6	2.6
BRAIN AND CNS	(C70-C72)	8	2.2	5	1.9
ALL CANCERS	(C00-C80)	159	152.3	175	145.9

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
SWAIN COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	2	0.9	-	0.5
ESOPHAGUS	(C15)	1	0.5	-	0.1
STOMACH	(C16)	1	0.5	-	0.4
COLON AND RECTUM	(C18-C20, C26.0)	9	3.4	1	3.3
LIVER	(C22)	-	0.2	-	0.1
GALLBLADDER, BILIARY	(C23, C24)	-	0.1	-	0.2
PANCREAS	(C25)	-	0.6	1	0.6
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	1	0.2	-	0.2
LARYNX	(C32)	-	0.6	-	0.1
BRONCHUS AND LUNG	(C34)	9	5.9	5	2.7
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.2	-	0.1
BONE	(C40, C41)	-	-	-	-
SOFT TISSUE	(C38.0, C49)	-	0.1	-	0.1
MELANOMA OF THE SKIN	(8720-8790)*	1	0.8	2	0.6
BREAST	(C50)	-	0.1	8	8.4
CERVIX UTERI	(C53)	-	-	-	0.7
CORPUS UTERI	(C54-C55)	-	-	2	1.4
OVARY	(C56)	-	-	2	1.0
PROSTATE	(C61)	9	9.4	-	-
TESTES	(C62)	-	0.2	-	-
BLADDER	(C67)	1	1.7	-	0.6
KIDNEY	(C64, C65)	-	0.8	-	0.5
ENDOCRINE	(C37, C73-C75)	1	0.2	-	0.3
LYMPHOMA	(9590-9714, 9750)*	1	1.0	-	0.9
LEUKEMIA	(9800-9941, 9951)*	1	0.6	-	0.5
BRAIN AND CNS	(C70-C72)	-	0.4	-	0.3
ALL CANCERS	(C00-C80)	40	30.0	25	25.3

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

**OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
TRANSPORTATION COUNTY 1992**

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	3	2.3	-	1.3
ESOPHAGUS	(C15)	2	1.3	-	0.4
STOMACH	(C16)	-	1.5	-	1.0
COLON AND RECTUM	(C18-C20, C26.0)	11	9.6	5	8.9
LIVER	(C22)	-	0.5	-	0.3
GALLBLADDER, BILIARY	(C23, C24)	-	0.3	-	0.4
PANCREAS	(C25)	-	1.7	7	1.6
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.5	1	0.5
LARYNX	(C32)	-	1.7	-	0.4
BRONCHUS AND LUNG	(C34)	15	16.7	11	7.4
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.4	-	0.1
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.4	1	0.3
MELANOMA OF THE SKIN	(C8720-8790)*	6	2.0	3	1.5
BREAST	(C50)	-	0.2	19	22.1
CERVIX UTERI	(C53)	-	-	1	1.8
CORPUS UTERI	(C54-C55)	-	-	4	3.7
OVARY	(C56)	-	-	5	2.6
PROSTATE	(C61)	30	27.3	-	-
TESTES	(C62)	1	0.4	-	-
BLADDER	(C67)	5	4.8	1	1.5
KIDNEY	(C64, C65)	2	2.1	2	1.3
ENDOCRINE	(C37, C73-C75)	-	0.4	1	0.7
LYMPHOMA	(9590-9714, 9750)*	1	2.7	1	2.4
LEUKEMIA	(9800-9941, 9951)*	3	1.6	1	1.2
BRAIN AND CNS	(C70-C72)	1	1.1	-	0.9
ALL CANCERS	(C00-C80)	84	84.1	68	66.9

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
TYRRELL COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	-	0.3	-	0.2
ESOPHAGUS	(C15)	-	0.2	-	0.1
STOMACH	(C16)	-	0.2	-	0.1
COLON AND RECTUM	(C18-C20, C26.0)	1	1.3	-	1.2
LIVER	(C22)	-	0.1	-	-
GALLBLADDER, BILIARY	(C23, C24)	-	-	-	0.1
PANCREAS	(C25)	-	0.2	-	0.2
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.1	-	0.1
LARYNX	(C32)	1	0.2	-	-
BRONCHUS AND LUNG	(C34)	1	2.2	-	1.0
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.1	-	-
BONE	(C40, C41)	-	-	-	-
SOFT TISSUE	(C38.0, C49)	-	0.1	-	-
MELANOMA OF THE SKIN	(8720-8790)*	-	0.3	-	0.2
BREAST	(C50)	-	-	2	3.0
CERVIX UTERI	(C53)	-	-	1	0.3
CORPUS UTERI	(C54-C55)	-	-	1	0.5
OVARY	(C56)	-	-	-	0.4
PROSTATE	(C61)	2	3.6	-	-
TESTES	(C62)	-	0.1	-	-
BLADDER	(C67)	-	0.6	-	0.2
KIDNEY	(C64, C65)	1	0.3	1	0.2
ENDOCRINE	(C37, C73-C75)	-	0.1	-	0.1
LYMPHOMA	(9590-9714, 9750)*	-	0.4	-	0.3
LEUKEMIA	(9800-9941, 9951)*	-	0.2	-	0.2
BRAIN AND CNS	(C70-C72)	-	0.1	-	0.1
ALL CANCERS	(C00-C80)	6	11.3	5	9.1

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
UNION COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	3	5.2	1	2.7
ESOPHAGUS	(C15)	3	2.6	-	0.8
STOMACH	(C16)	1	2.9	-	1.9
COLON AND RECTUM	(C18-C20, C26.0)	17	18.0	14	17.9
LIVER	(C22)	3	1.0	1	0.5
GALLBLADDER, BILIARY	(C23, C24)	-	0.5	1	0.8
PANCREAS	(C25)	3	3.2	4	3.0
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	1	1.0	2	1.2
LARYNX	(C32)	1	3.5	-	0.9
BRONCHUS AND LUNG	(C34)	28	32.3	7	15.5
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	0.9	1	0.3
BONE	(C40, C41)	-	0.3	-	0.3
SOFT TISSUE	(C38.0, C49)	-	0.9	-	0.7
MELANOMA OF THE SKIN	(8720-8790)*	8	4.9	6	3.8
BREAST	(C50)	-	0.3	35	52.1
CERVIX UTERI	(C53)	-	-	4	4.9
CORPUS UTERI	(C54-C55)	-	-	5	8.0
OVARY	(C56)	-	-	4	6.0
PROSTATE	(C61)	46	45.5	-	-
TESTES	(C62)	1	1.6	-	-
BLADDER	(C67)	6	8.9	2	3.0
KIDNEY	(C64, C65)	2	4.5	1	2.2
ENDOCRINE	(C37, C73-C75)	3	1.1	-	-
LYMPHOMA	(9590-9714, 9750)*	9	6.3	4	5.5
LEUKEMIA	(9800-9941, 9951)*	3	3.5	1	2.8
BRAIN AND CNS	(C70-C72)	1	2.7	3	2.3
ALL CANCERS	(C00-C80)	153	160.7	99	149.9

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
VANCE COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	2	2.4	-	1.5
ESOPHAGUS	(C15)	3	1.2	2	0.5
STOMACH	(C16)	2	1.5	1	1.1
COLON AND RECTUM	(C18-C20, C26.0)	11	9.0	5	10.3
LIVER	(C22)	1	0.5	1	0.3
GALLBLADDER, BILIARY	(C23, C24)	1	0.3	-	0.5
PANCREAS	(C25)	2	1.6	2	1.8
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	3	0.5	-	0.6
LARYNX	(C32)	4	1.6	-	0.5
BRONCHUS AND LUNG	(C34)	26	15.9	-	8.5
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.4	3	0.2
BONE	(C40, C41)	1	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	1	0.4	-	0.4
MELANOMA OF THE SKIN	(8720-8790)*	-	2.2	-	1.9
BREAST	(C50)	1	0.2	18	27.1
CERVIX UTERI	(C53)	-	-	3	2.4
CORPUS UTERI	(C54-C55)	-	-	2	4.4
OVARY	(C56)	-	-	3	3.2
PROSTATE	(C61)	22	24.3	-	-
TESTES	(C62)	-	0.7	-	-
BLADDER	(C67)	1	4.5	-	1.8
KIDNEY	(C64, C65)	5	2.1	-	1.5
ENDOCRINE	(C37, C73-C75)	-	0.5	-	1.1
LYMPHOMA	(9590-9714, 9750)*	3	2.9	-	3.0
LEUKEMIA	(9800-9941, 9951)*	2	1.7	3	1.5
BRAIN AND CNS	(C70-C72)	4	1.2	3	1.1
ALL CANCERS	(C00-C80)	98	80.1	51	80.8

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
WAKE COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	28	23.4	13	12.4
ESOPHAGUS	(C15)	15	11.2	4	3.6
STOMACH	(C16)	10	12.6	8	8.8
COLON AND RECTUM	(C18-C20, C26.0)	72	76.3	79	80.5
LIVER	(C22)	3	4.5	3	2.4
GALLBLADDER, BILIARY	(C23, C24)	2	2.1	4	3.8
PANCREAS	(C25)	18	13.4	24	13.6
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	9	4.6	5	5.4
LARYNX	(C32)	16	15.0	3	4.0
BRONCHUS AND LUNG	(C34)	147	135.9	93	68.4
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	2	4.0	2	1.4
BONE	(C40, C41)	1	1.3	-	1.4
SOFT TISSUE	(C38.0, C49)	3	4.3	2	3.6
MELANOMA OF THE SKIN	(8720-8790)*	26	23.0	17	19.2
BREAST	(C50)	-	1.3	304	243.8
CERVIX UTERI	(C53)	-	-	24	25.5
CORPUS UTERI	(C54-C55)	-	-	45	36.2
OVARY	(C56)	-	-	37	28.3
PROSTATE	(C61)	310	184.8	-	-
TESTES	(C62)	13	9.6	-	-
BLADDER	(C67)	37	37.5	14	13.7
KIDNEY	(C64, C65)	16	19.5	15	12.8
ENDOCRINE	(C37, C73-C75)	5	5.3	18	11.8
LYMPHOMA	(9590-9714, 9750)*	44	29.8	44	26.3
LEUKEMIA	(9800-9941, 9951)*	20	15.8	15	13.3
BRAIN AND CNS	(C70-C72)	18	12.7	17	10.8
ALL CANCERS	(C00-C80)	864	688.0	850	698.2

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
WARREN COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	-	1.4	1	0.8
ESOPHAGUS	(C15)	-	0.8	-	0.3
STOMACH	(C16)	2	0.9	3	0.6
COLON AND RECTUM	(C18-C20, C26.0)	5	5.8	2	5.9
LIVER	(C22)	1	0.3	-	0.2
GALLBLADDER, BILIARY	(C23, C24)	-	0.2	-	0.3
PANCREAS	(C25)	4	1.0	2	1.0
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.3	-	0.4
LARYNX	(C32)	-	1.0	-	0.2
BRONCHUS AND LUNG	(C34)	6	10.1	2	4.8
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.2	-	0.1
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	2	0.2	-	0.2
MELANOMA OF THE SKIN	(8720-8790)*	-	1.3	-	1.0
BREAST	(C50)	-	0.1	7	14.4
CERVIX UTERI	(C53)	-	-	2	1.2
CORPUS UTERI	(C54-C55)	-	-	2	2.4
OVARY	(C56)	-	-	1	1.7
PROSTATE	(C61)	8	16.3	-	-
TESTES	(C62)	-	0.3	-	-
BLADDER	(C67)	1	2.9	-	1.0
KIDNEY	(C64, C65)	-	1.3	1	0.8
ENDOCRINE	(C37, C73-C75)	-	0.2	-	0.5
LYMPHOMA	(9590-9714, 9750)*	1	1.7	1	1.6
LEUKEMIA	(9800-9941, 9951)*	1	1.0	-	0.8
BRAIN AND CNS	(C70-C72)	1	0.7	1	0.6
ALL CANCERS	(C00-C80)	35	50.8	27	43.9

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
WASHINGTON COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	1	1.0	-	0.5
ESOPHAGUS	(C15)	-	0.5	-	0.2
STOMACH	(C16)	2	0.6	-	0.4
COLON AND RECTUM	(C18-C20, C26.0)	4	3.7	3	3.8
LIVER	(C22)	-	0.2	-	0.1
GALLBLADDER, BILIARY	(C23, C24)	-	0.1	1	0.2
PANCREAS	(C25)	1	0.7	-	0.7
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.2	-	0.2
LARYNX	(C32)	1	0.7	-	0.2
BRONCHUS AND LUNG	(C34)	1	0.7	-	0.2
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	9	6.6	2	3.2
BONE	(C40, C41)	-	0.2	-	0.1
SOFT TISSUE	(C38.0, C49)	1	0.2	-	0.1
MELANOMA OF THE SKIN	(8720-8790)*	1	0.9	-	0.7
BREAST	(C50)	-	0.1	12	10.0
CERVIX UTERI	(C53)	-	-	-	0.9
CORPUS UTERI	(C54-C55)	-	-	2	1.6
OVARY	(C56)	-	-	-	1.2
PROSTATE	(C61)	3	10.1	-	-
TESTES	(C62)	-	0.2	-	-
BLADDER	(C67)	1	1.9	-	0.6
KIDNEY	(C64, C65)	4	0.9	-	0.6
ENDOCRINE	(C37, C73-C75)	-	0.2	-	0.4
LYMPHOMA	(9590-9714, 9750)*	1	1.1	-	1.1
LEUKEMIA	(9800-9941, 9951)*	-	0.7	-	0.5
BRAIN AND CNS	(C70-C72)	1	0.5	-	0.4
ALL CANCERS	(C00-C80)	31	33.1	22	29.7

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
WATAUGA COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	2	2.3	2	1.2
ESOPHAGUS	(C15)	-	1.1	1	0.4
STOMACH	(C16)	-	1.3	1	0.9
COLON AND RECTUM	(C18-C20, C26.0)	6	8.4	5	8.0
LIVER	(C22)	-	0.5	-	0.2
GALLBLADDER, BILIARY	(C23, C24)	-	0.2	-	0.4
PANCREAS	(C25)	1	1.5	1	1.4
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.4	1	0.5
LARYNX	(C32)	1	1.5	1	0.4
BRONCHUS AND LUNG	(C34)	10	14.7	7	6.6
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	0.4	-	0.1
BONE	(C40, C41)	-	0.1	-	0.1
SOFT TISSUE	(C38.0, C49)	-	0.4	-	0.3
MELANOMA OF THE SKIN	(8720-8790)*	5	2.1	7	1.6
BREAST	(C50)	-	0.1	22	21.4
CERVIX UTERI	(C53)	-	-	1	2.0
CORPUS UTERI	(C54-C55)	-	-	3	3.4
OVARY	(C56)	-	-	2	2.5
PROSTATE	(C61)	34	22.3	-	-
TESTES	(C62)	3	0.7	-	-
BLADDER	(C67)	6	4.2	2	1.4
KIDNEY	(C64, C65)	3	1.9	1	1.2
ENDOCRINE	(C37, C73-C75)	2	0.5	1	0.9
LYMPHOMA	(9590-9714, 9750)*	1	2.8	1	2.5
LEUKEMIA	(9800-9941, 9951)*	-	1.5	1	1.2
BRAIN AND CNS	(C70-C72)	-	1.1	-	0.9
ALL CANCERS	(C00-C80)	77	74.1	67	63.9

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
WAYNE COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	4	6.4	4	3.5
ESOPHAGUS	(C15)	6	3.2	1	1.1
STOMACH	(C16)	3	3.6	3	2.5
COLON AND RECTUM	(C18-C20, C26.0)	22	22.0	25	23.6
LIVER	(C22)	2	1.3	3	0.7
GALLBLADDER, BILIARY	(C23, C24)	-	0.6	2	1.1
PANCREAS	(C25)	5	3.9	8	4.0
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	1	1.3	3	1.5
LARYNX	(C32)	8	4.3	3	1.1
BRONCHUS AND LUNG	(C34)	57	39.7	14	20.4
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	1.1	1	0.4
BONE	(C40, C41)	-	0.3	-	0.3
SOFT TISSUE	(C38.0, C49)	-	1.1	1	0.9
MELANOMA OF THE SKIN	(8720-8790)*	8	6.0	9	4.7
BREAST	(C50)	-	0.4	80	66.0
CERVIX UTERI	(C53)	-	-	12	6.1
CORPUS UTERI	(C54-C55)	-	-	12	10.5
OVARY	(C56)	-	-	8	7.6
PROSTATE	(C61)	54	56.4	-	-
TESTES	(C62)	4	2.2	-	-
BLADDER	(C67)	12	10.9	12	4.0
KIDNEY	(C64, C65)	3	5.4	6	3.6
ENDOCRINE	(C37, C73-C75)	2	1.3	2	2.7
LYMPHOMA	(9590-9714, 9750)*	5	7.8	8	7.0
LEUKEMIA	(9800-9941, 9951)*	7	4.3	4	3.6
BRAIN AND CNS	(C70-C72)	2	3.3	4	2.8
ALL CANCERS	(C00-C80)	223	197.9	237	192.6

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
WILKES COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	5	4.4	4	2.3
ESOPHAGUS	(C15)	3	2.2	-	0.7
STOMACH	(C16)	4	2.6	2	1.8
COLON AND RECTUM	(C18-C20, C26.0)	13	16.2	9	16.2
LIVER	(C22)	-	0.9	-	0.5
GALLBLADDER, BILIARY	(C23, C24)	1	0.5	-	0.8
PANCREAS	(C25)	1	2.8	3	2.8
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	3	0.8	1	1.0
LARYNX	(C32)	4	3.0	2	0.7
BRONCHUS AND LUNG	(C34)	37	28.6	16	13.5
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	1	0.7	1	0.3
BONE	(C40, C41)	-	0.2	-	0.2
SOFT TISSUE	(C38.0, C49)	2	0.7	-	0.6
MELANOMA OF THE SKIN	(8720-8790)*	5	4.0	6	3.0
BREAST	(C50)	-	0.3	45	43.3
CERVIX UTERI	(C53)	-	-	4	3.8
CORPUS UTERI	(C54-C55)	-	-	9	6.9
OVARY	(C56)	-	-	5	5.0
PROSTATE	(C61)	50	43.1	-	-
TESTES	(C62)	-	1.1	-	-
BLADDER	(C67)	4	8.1	4	2.8
KIDNEY	(C64, C65)	6	3.8	3	2.4
ENDOCRINE	(C37, C73-C75)	-	0.8	1	1.7
LYMPHOMA	(9590-9714, 9750)*	11	5.1	6	4.6
LEUKEMIA	(9800-9941, 9951)*	4	2.9	4	2.3
BRAIN AND CNS	(C70-C72)	5	2.1	2	1.7
ALL CANCERS	(C00-C80)	169	142.9	142	127.6

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
WILSON COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	4	4.2	2	2.6
ESOPHAGUS	(C15)	4	2.2	2	0.8
STOMACH	(C16)	1	2.5	1	1.9
COLON AND RECTUM	(C18-C20, C26.0)	15	15.5	12	17.8
LIVER	(C22)	1	0.9	-	0.5
GALLBLADDER, BILIARY	(C23, C24)	-	0.4	-	0.9
PANCREAS	(C25)	2	2.7	2	3.1
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.8	-	1.1
LARYNX	(C32)	5	2.9	3	0.8
BRONCHUS AND LUNG	(C34)	24	27.6	14	15.0
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	2	0.7	-	0.3
BONE	(C40, C41)	-	0.2	2	0.2
SOFT TISSUE	(C38.0, C49)	-	0.7	1	0.6
MELANOMA OF THE SKIN	(8720-8790)*	2	3.9	3	3.3
BREAST	(C50)	-	0.3	49	47.6
CERVIX UTERI	(C53)	-	-	7	4.2
CORPUS UTERI	(C54-C55)	-	-	11	7.6
OVARY	(C56)	-	-	6	5.5
PROSTATE	(C61)	44	41.0	-	-
TESTES	(C62)	-	1.1	-	-
BLADDER	(C67)	9	7.7	4	3.0
KIDNEY	(C64, C65)	2	3.7	3	2.7
ENDOCRINE	(C37, C73-C75)	1	0.8	2	1.8
LYMPHOMA	(9590-9714, 9750)*	4	5.0	4	5.1
LEUKEMIA	(9800-9941, 9951)*	3	2.9	1	2.6
BRAIN AND CNS	(C70-C72)	1	2.1	-	2.0
ALL CANCERS	(C00-C80)	132	137.4	133	140.5

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
YADKIN COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	2	2.4	-	1.3
ESOPHAGUS	(C15)	2	1.2	-	0.4
STOMACH	(C16)	3	1.5	1	1.0
COLON AND RECTUM	(C18-C20, C26.0)	9	9.1	12	9.4
LIVER	(C22)	-	0.5	-	0.3
GALLBLADDER, BILIARY	(C23, C24)	-	0.3	-	0.5
PANCREAS	(C25)	2	1.6	2	1.6
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.5	2	0.6
LARYNX	(C32)	4	1.7	1	0.4
BRONCHUS AND LUNG	(C34)	7	16.0	6	7.6
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.4	-	0.2
BONE	(C40, C41)	-	0.1	1	0.1
SOFT TISSUE	(C38.0, C49)	1	0.4	-	0.3
MELANOMA OF THE SKIN	(8720-8790)*	6	2.2	-	1.7
BREAST	(C50)	-	0.2	19	24.0
CERVIX UTERI	(C53)	-	-	1	2.1
CORPUS UTERI	(C54-C55)	-	-	8	3.9
OVARY	(C56)	-	-	5	2.8
PROSTATE	(C61)	-	-	-	-
TESTES	(C62)	35	24.5	-	-
BLADDER	(C67)	2	0.6	-	-
KIDNEY	(C64, C65)	5	4.6	2	1.6
ENDOCRINE	(C37, C73-C75)	5	2.1	1	1.4
LYMPHOMA	(9590-9714, 9750)*	1	0.4	1	0.9
LEUKEMIA	(9800-9941, 9951)*	3	2.8	4	2.6
BRAIN AND CNS	(C70-C72)	-	1.6	1	1.3
ALL CANCERS	(C00-C80)	94	80.2	74	71.9

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

OBSERVED AND EXPECTED FREQUENCIES OF SELECTED CANCER SITES BY COUNTY OF RESIDENCE
YANCEY COUNTY 1992

CANCER SITE	ICD-02	MALES		FEMALES	
		OBSERVED	EXPECTED	OBSERVED	EXPECTED
ORAL CAVITY	(C00-C14)	3	1.3	1	0.7
ESOPHAGUS	(C15)	-	0.7	-	0.2
STOMACH	(C16)	2	0.8	-	0.6
COLON AND RECTUM	(C18-C20, C26.0)	4	5.2	6	5.2
LIVER	(C22)	-	0.3	-	0.1
GALLBLADDER, BILIARY	(C23, C24)	-	0.2	-	0.3
PANCREAS	(C25)	1	0.9	-	0.9
OTHER DIGESTIVE ORGANS	(C17, C21, C26.8-C26.9, C48)	-	0.3	-	0.3
LARYNX	(C32)	-	0.9	-	0.2
BRONCHUS AND LUNG	(C34)	5	9.0	4	4.2
OTHER RESPIRATORY	(C30-C31, C33, C38.1-C38.8, C39)	-	0.2	-	0.1
BONE	(C40, C41)	1	-	-	0.1
SOFT TISSUE	(C38.0, C49)	1	0.2	1	0.2
MELANOMA OF THE SKIN	(8720-8790)*	1	1.2	-	0.9
BREAST	(C50)	-	0.1	8	12.9
CERVIX UTERI	(C53)	-	-	1	1.1
CORPUS UTERI	(C54-C55)	-	-	2	2.1
OVARY	(C56)	-	-	2	1.5
PROSTATE	(C61)	8	14.4	-	-
TESTES	(C62)	-	0.3	-	-
BLADDER	(C67)	1	2.6	-	0.9
KIDNEY	(C64, C65)	1	1.2	-	0.7
ENDOCRINE	(C37, C73-C75)	-	0.2	1	0.4
LYMPHOMA	(9590-9714, 9750)*	2	1.5	2	1.4
LEUKEMIA	(9800-9941, 9951)*	-	0.9	2	0.7
BRAIN AND CNS	(C70-C72)	1	0.6	1	0.5
ALL CANCERS	(C00-C80)	35	45.5	35	38.9

* MORPHOLOGY (SEE TECHNICAL NOTES, SECTION II.A.)

**B. Age-Specific Cancer Incidence
by County of Residence**



AGE-SPECIFIC CANCER INCIDENCE FOR 1992

COUNTY	0-19	20-44	45-64	65+
NORTH CAROLINA	272	2656	9127	16753
ALAMANCE	3	59	208	373
ALEXANDER	-	14	43	64
ALLEGHANY	-	3	20	23
ANSON	-	4	26	73
ASHE	1	2	22	66
AVERY	-	5	21	42
BEAUFORT	1	11	60	113
BERTIE	-	3	16	41
BLADEN	1	7	32	63
BRUNSWICK	2	28	65	117
BUNCOMBE	5	62	279	632
BURKE	-	28	129	213
CABARRUS	3	46	124	269
CALDWELL	3	22	92	163
CAMDEN	1	-	9	8
CARTERET	1	16	78	137
CASWELL	-	6	17	39
CATAWBA	7	48	181	366
CHATHAM	-	19	63	85
CHEROKEE	-	9	21	66
CHOWAN	1	3	13	32
CLAY	-	1	10	11
CLEVELAND	1	38	114	214
COLUMBUS	3	16	70	90
CRAVEN	3	34	113	225
CUMBERLAND	8	104	253	357
CURRITUCK	-	-	4	16
DARE	-	5	22	27
DAVIDSON	1	59	172	305
DAVIE	8	10	47	87
DUPLIN	-	10	49	100
DURHAM	10	80	259	453
EDGECOMBE	3	13	71	127
FORSYTH	14	125	460	805
FRANKLIN	1	19	39	91
GASTON	8	78	282	479
GATES	-	1	2	5
GRAHAM	-	2	12	27
GRANVILLE	6	26	45	85
GREENE	2	13	24	31
GUILFORD	13	158	471	885
HALIFAX	2	14	65	155
HARNETT	6	21	75	147
HAYWOOD	3	16	89	167
HENDERSON	2	25	141	347
HERTFORD	-	9	24	42
Hoke	1	4	36	29
HYDE	-	-	3	13
IREDELL	8	31	137	285
JACKSON	-	11	40	73
JOHNSTON	3	38	139	197
JONES	-	4	12	22
LEE	-	14	64	120
LENOIR	2	31	101	224
LINCOLN	1	23	88	135

AGE-SPECIFIC CANCER INCIDENCE FOR 1992

COUNTY	0-19	20-44	45-64	65+
MCDOWELL	2	12	64	85
MACON	-	9	41	150
MADISON	-	9	24	54
MARTIN	1	8	25	55
MECKLENBURG	18	234	701	1165
MITCHELL	2	6	20	39
MONTGOMERY	2	11	33	77
MOORE	1	24	95	289
NASH	5	29	123	238
NEW HANOVER	8	57	160	293
NORTHAMPTON	-	5	23	57
ONSLOW	1	35	107	160
ORANGE	5	41	108	190
PAMLICO	-	3	24	29
PASQUOTANK	1	7	35	62
PENDER	-	5	33	73
PERQUIMANS	1	3	12	20
PERSON	1	15	53	109
PITT	7	35	108	173
POLK	1	4	17	48
RANDOLPH	4	40	150	243
RICHMOND	-	16	69	106
ROBESON	3	33	122	183
ROCKINGHAM	1	24	130	254
ROWAN	4	30	145	260
RUTHERFORD	4	22	85	209
SAMPSON	1	12	73	100
SCOTLAND	2	19	42	49
STANLY	1	21	64	145
STOKES	3	12	59	98
SURRY	6	32	100	196
SWAIN	-	11	21	33
TRANSYLVANIA	1	11	30	110
TYRRELL	-	-	3	8
UNION	4	33	81	134
VANCE	2	14	50	83
WAKE	21	222	576	895
WARREN	3	5	15	39
WASHINGTON	1	5	17	30
WATAUGA	2	8	46	88
WAYNE	2	51	148	259
WILKES	8	20	92	191
WILSON	2	20	88	155
YADKIN	1	11	41	115
YANCEY	1	4	22	43

C. Race/Sex-Specific Incidence
by County of Residence

RACE/SEX-SPECIFIC CANCER INCIDENCE FOR 1992

COUNTY	WHITE-M	WHITE-F	BLACK-M	BLACK-F	INDIAN-M	INDIAN-F	OTHER-M	OTHER-F
NORTH CAROLINA	12335	11326	2587	2330	61	74	40	55
ALAMANCE	285	262	56	35	1	1	1	2
ALEXANDER	59	55	4	3	-	-	-	-
ALLEGHANY	22	21	2	1	-	-	-	-
ANSON	37	33	11	22	-	-	-	-
ASHE	43	47	1	-	-	-	-	-
AVERY	32	36	-	-	-	-	-	-
BEAUFORT	78	68	15	23	-	1	-	-
BERTIE	17	16	11	16	-	-	-	-
BLADEN	37	37	10	18	-	1	-	-
BRUNSWICK	93	93	11	14	-	-	1	2
BUNCOMBE	446	467	37	23	-	-	3	-
BURKE	201	152	8	9	-	-	2	1
CABARRUS	211	175	30	23	-	-	-	-
CALDWELL	156	116	4	4	-	-	-	-
CAMDEN	6	7	2	3	-	-	-	-
CARTERET	125	91	7	9	-	-	-	-
CASWELL	16	23	16	7	-	-	-	-
CATAWBA	310	261	15	15	-	-	1	-
CHATHAM	62	71	17	17	-	-	-	-
CHEROKEE	60	33	2	1	-	-	-	-
CHOWAN	18	17	9	5	-	-	-	-
CLAY	15	7	-	-	-	-	-	-
CLEVELAND	168	147	29	22	-	-	-	1
COLUMBUS	63	72	26	14	3	1	-	1
Craven	147	157	42	27	-	-	1	9
CUMBERLAND	238	261	108	100	-	5	1	-
CURRITUCK	7	8	3	2	-	-	-	-
DARE	28	25	-	2	-	-	-	-
DAVIDSON	260	245	18	21	-	-	-	-
DAVIE	67	62	10	5	-	-	-	-
DUPLIN	52	65	28	15	-	-	-	-
DURHAM	299	248	127	123	-	1	3	1
EDGECOMBE	63	47	51	52	-	-	1	1
FORSYTH	559	551	158	135	-	-	-	1
FRANKLIN	55	46	21	26	1	-	-	1
GASTON	387	384	39	36	-	-	-	1
GATES	5	1	-	2	-	-	-	-
GRAHAM	21	17	-	-	-	3	-	-
GRANVILLE	52	51	31	27	-	-	-	1
GREENE	21	22	14	13	-	-	-	-
GUILFORD	624	593	143	161	2	-	2	2
HALIFAX	69	63	53	44	3	3	-	1
HARNETT	102	101	24	21	-	-	-	1
HAYWOOD	130	142	2	1	-	-	2	-
HENDERSON	277	217	11	7	-	-	-	-
HERTFORD	17	19	27	12	-	3	1	-
HOKE	19	18	19	9	1	-	-	-
HYDE	7	4	3	2	-	-	-	-
IREDELL	232	175	24	28	-	-	1	1
JACKSON	60	59	1	1	2	1	-	-
JOHNSTON	150	161	29	35	-	-	-	2
JONES	14	11	8	5	-	-	-	-
LEE	89	71	19	18	-	1	-	-
LENOIR	128	120	53	57	-	-	-	-
LINCOLN	130	102	5	9	-	-	1	-

RACE/SEX-SPECIFIC CANCER INCIDENCE FOR 1992

COUNTY	WHITE-M	WHITE-F	BLACK-M	BLACK-F	INDIAN-M	INDIAN-F	OTHER-M	OTHER-F
MCDOWELL	74	85	1	2	-	-	1	-
MACON	125	73	1	1	-	-	-	-
MADISON	41	44	2	-	-	-	-	-
MARTIN	18	25	25	21	-	-	-	-
MECKLENBURG	886	785	229	203	3	1	6	5
MITCHELL	34	31	2	-	-	-	-	-
MONTGOMERY	57	41	19	6	-	-	-	-
MOORE	211	148	23	26	-	1	-	-
NASH	142	149	62	40	1	-	1	-
NEW HANOVER	211	214	44	46	-	-	2	1
NORTHAMPTON	23	10	30	22	-	-	-	-
ONslow	129	123	20	26	-	-	-	5
ORANGE	148	146	25	21	-	-	-	4
PAMLICO	27	14	10	5	-	-	-	-
PASQUOTANK	37	24	28	15	-	-	1	-
PENDER	38	41	12	19	-	-	-	-
PERQUIMANS	14	11	8	3	-	-	-	1
PERSON	61	65	30	22	-	-	-	-
PITT	116	104	50	53	-	-	-	-
POLK	35	33	-	2	-	-	-	-
RANDOLPH	230	180	11	16	-	-	-	-
RICHMOND	89	60	21	21	34	43	-	1
ROBESON	97	88	43	35	-	-	-	-
ROCKINGHAM	156	177	40	36	-	-	-	-
ROWAN	200	195	15	29	-	-	-	-
RUTHERFORD	166	126	17	11	-	-	-	-
SAMPSON	56	79	27	24	-	-	-	-
SCOTLAND	30	42	13	21	4	2	-	-
STANLY	111	103	10	7	-	-	-	-
STOKES	90	75	3	4	-	-	-	-
STURRY	153	166	6	9	-	-	-	-
SWAIN	36	20	-	-	4	5	-	-
TRANSYLVANIA	83	63	1	5	-	-	-	-
TYRRELL	3	3	3	2	-	-	-	-
UNION	140	88	12	11	-	-	1	-
VANCE	68	35	29	16	-	-	1	-
WAKE	672	701	185	141	1	-	6	8
WARREN	15	11	19	16	1	-	-	-
WASHINGTON	21	8	10	14	-	-	-	-
WATAUGA	77	63	-	3	-	-	-	1
WAYNE	155	175	68	61	-	1	-	-
WILKES	164	137	5	5	-	-	-	-
WILSON	103	106	29	27	-	-	-	-
YADKIN	89	71	5	3	-	-	-	-
YANCEY	35	35	-	-	-	-	-	-

D. Cancer Incidence and Mortality by County of Residence

CANCER INCIDENCE AND MORTALITY FOR 1992

COUNTY	CASES	DEATHS
NORTH CAROLINA	28808	14413
ALAMANCE	643	270
ALEXANDER	121	55
ALLEGHANY	46	21
ANSON	103	58
ASHE	91	72
AVERY	68	36
BEAUFORT	185	111
BERTIE	60	51
BLADEN	103	97
BRUNSWICK	212	134
BUNCOMBE	978	445
BURKE	370	177
CABARRUS	442	206
CALDWELL	280	143
CAMDEN	18	18
CARTERET	232	145
CASWELL	62	49
CATAWBA	602	251
CHATHAM	167	105
CHEROKEE	96	54
CHOWAN	49	31
CLAY	22	24
CLEVELAND	367	206
COLUMBUS	179	123
CRAVEN	375	183
CUMBERLAND	722	407
CURRITUCK	20	47
DARE	55	64
DAVIDSON	544	252
DAVIE	144	59
DUPLIN	160	112
DURHAM	802	382
EDGECOMBE	214	135
FORSYTH	1404	568
FRANKLIN	150	80
GASTON	847	389
GATES	8	25
GRAHAM	41	21
GRANVILLE	162	83
GREENE	70	38
GUILFORD	1527	736
HALIFAX	236	111
HARNETT	249	143
HAYWOOD	275	131
HENDERSON	515	247
HERTFORD	75	55
HOKE	70	50
HYDE	16	16
IREDELL	461	232
JACKSON	124	54
JOHNSTON	377	193
JONES	38	16
LEE	198	112
LENOIR	358	154
LINCOLN	247	106

CANCER INCIDENCE AND MORTALITY FOR 1992

COUNTY	CASES	DEATHS
MCDOWELL	163	82
MACON	200	70
MADISON	87	44
MARTIN	89	55
MECKLENBURG	2118	957
MITCHELL	67	44
MONTGOMERY	123	42
MOORE	409	190
NASH	395	177
NEW HANOVER	518	322
NORTH HAMPTON	85	48
ONslow	303	155
ORANGE	344	136
PAMLICO	56	39
PASQUOTANK	105	78
PENDER	111	92
PERQUIMANS	36	32
PERSON	178	71
PITT	323	197
POLK	70	47
RANDOLPH	437	203
RICHMOND	191	105
ROBESON	341	233
ROCKINGHAM	409	198
ROWAN	439	294
RUTHERFORD	320	147
SAMPSON	186	110
SCOTLAND	112	81
STANLY	231	115
STOKES	172	89
SURRY	334	146
SWAIN	65	32
TRANSYLVANIA	152	50
TYRRELL	11	11
UNION	252	162
VANCE	149	95
WAKE	1714	651
WARREN	62	43
WASHINGTON	53	36
WATAUGA	144	55
WAYNE	460	197
WILKES	311	136
WILSON	265	163
YADKIN	168	65
YANCEY	70	35

APPENDIX

North Carolina Central Cancer Registry Incidence Report

NORTH CAROLINA CENTRAL CANCER REGISTRY

INCIDENCE REPORT

(DO NOT WRITE IN SHADED BOXES.)

N. C. Department of Environment,
Health, and Natural Resources
State Center for Health and Environmental Statistics

NCCCR #

Reporting Facility: _____		2. Facility ID Number: _____	
Name: _____ (last) (first) (MI) (maiden)			
Residence: _____ (street) _____ (city) (state) (zip code)			
County of Residence at Diagnosis: _____		6. Birth Date: MM DD YEAR [][] [][] [][][][]	
Race: 1 = White 4 = Am. Ind., Lumbee 8 = Other 2 = Black 5 = Am. Ind., NOS 9 = Unknown [] 3 = Am. Ind., Cherokee 6 = Oriental/Asian		8. Sex 1 = Male 2 = Female [] 8 = Other []	
9. Hispanic Origin 0 = No 1 = Yes [] 9 = Unknown []			
Social Security Number: [][][][][][][][][]		11. Place of Birth: (State or Country)	
		12. Medical Record No.: 13. Tumor Registry No.:	
Class of Case: 0 = Diagnosed at this facility, treated elsewhere 1 = Diagnosed & treated at this facility 2 = Diagnosed elsewhere, treated at this facility 3 = Diagnosed & treated elsewhere 5 = FIRST Dx at autopsy 9 = Unknown []		21. Primary Site: [][][][]	
Other Primary Cancers? 0 = No [] 1 = Yes []		22. Paired Organ, Primary Site Only: 0 = Not a paired site 1 = Right 3 = One side only, NOS 2 = Left 4 = Bilateral involvement []	
If YES, specify other primary cancer(s): _____ _____ _____ Previous primary site(s) _____ Dx date _____		23. Histology: [][][][][][][][][][]	
5. Date of initial diagnosis: MM DD YEAR [][][][][][][][][][]		24. Grade of Tumor: 1 = Well differentiated 5 = T-cell 2 = Mod. well differentiated 6 = B-cell [] 3 = Poorly differentiated 7 = Null cell 4 = Undifferentiated/Anaplastic 9 = Unknown/not stated	
7. Date of admission for this cancer: (Inpatient or Outpatient) MM DD YEAR [][][][][][][][][][]		25. Diagnostic Confirmation: 1 = Positive histology 6 = Direct visualization 2 = Positive cytology 7 = Radiography 5 = Positive laboratory 8 = Clinical only [] test/Tumor marker 9 = Unknown	
8. Date of last contact: MM DD YEAR [][][][][][][][][][]		26. Stage of Disease: 0 = In-situ 4 = Reg. direct & Reg. nodes 1 = Localized 5 = Reg. NOS 2 = Regional Direct Ext. 7 = Distant/systemic 3 = Regional nodes 8 = BENIGN [] 9 = Unknown/unstaged	
9. Status: 0 = Dead [] 1 = Alive		27. Hospital Referred From: [][][][][][][][][][] _____ Hospital Name _____ City _____ State _____	
10. Physician's Name: [][][][][][][][][][] _____ Last _____ First _____ MI _____		28. Hospital Referred To: [][][][][][][][][][] _____ Hospital Name _____ City _____ State _____	
Abstractor's Initials: _____ Date: _____			

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